



Atlan

STORMWATER

CORPORATE PROFILE

Joy in water

DESIGN

PLAN

REPORT

- Fast preliminary system sizing
- Recommended configurations
- Storage volume calculations
- Designed for local stormwater requirements
- Interactive 3D visualization
- Generates reports ready to share
- Revisit, edit and compare designs anytime



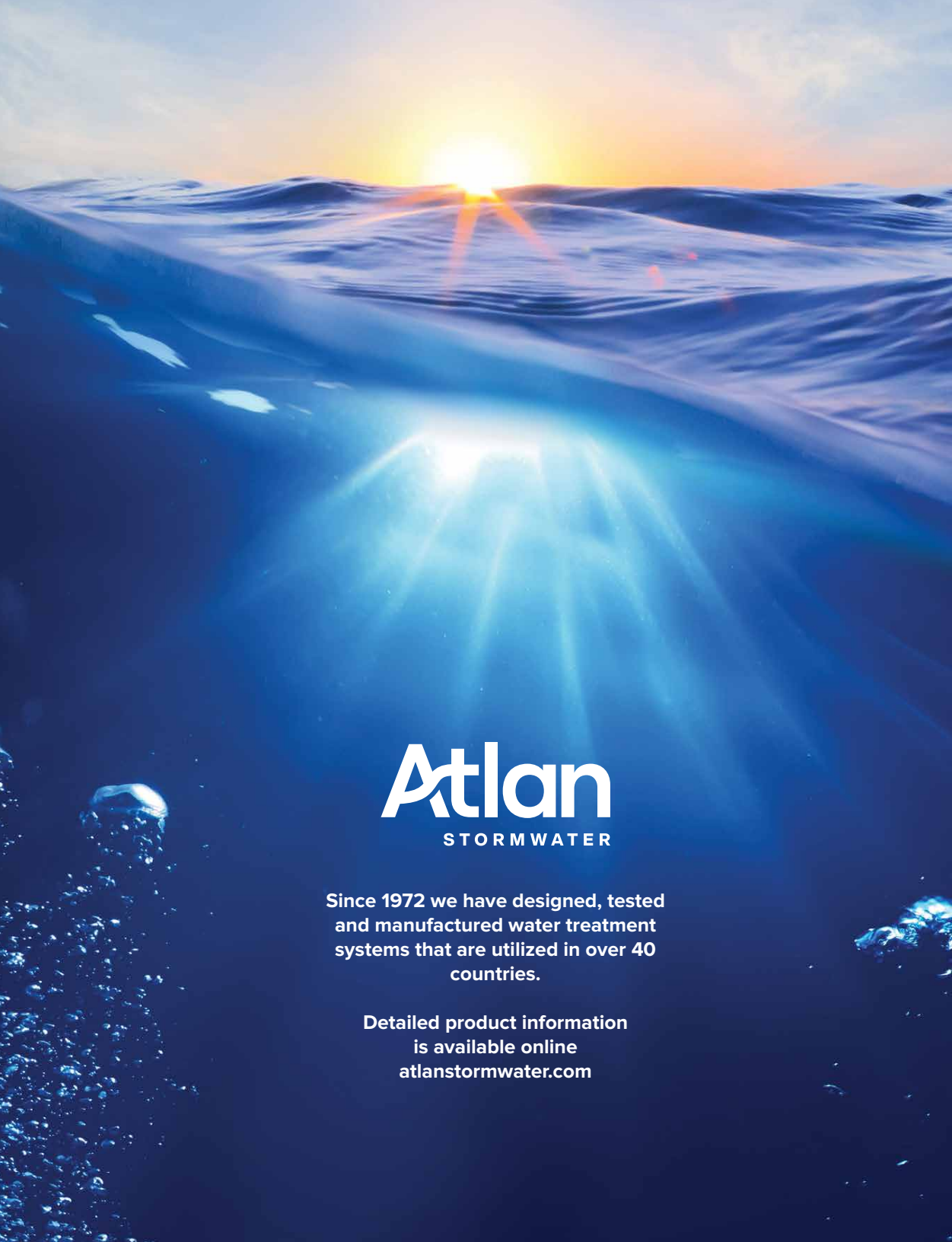
Specify with confidence. Size with precision.

Access the MyAtlan engineering hub to streamline the design of your stormwater quality & quantity assets. Explore sizing, configurations, and stormwater performance outcomes with Atlan's suite of intelligent online design tools and calculators.

Whether you're exploring options for treatment infrastructure or On-site Stormwater Detention (OSD) systems, our calculators provide fast, practical recommendations – engineered for performance to help move your project from concept to specification.



Scan and start planning today.



Atlan

STORMWATER

Since 1972 we have designed, tested and manufactured water treatment systems that are utilized in over 40 countries.

Detailed product information
is available online
atlanstormwater.com

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International Experience

At Atlan Stormwater, we draw on more than 50 years' experience in the design, testing and manufacture of water treatment systems that are utilised in over 45 countries.

We manufacture solutions in Australia and New Zealand and export our technologies around the world. All products comply with relevant industry standards. Our team is committed to ongoing field and laboratory testing of the products to independently verify performance. Our products have been designed for and installed in the following applications:

- Air, sea and land transport infrastructure
- Commercial and residential developments
- Defense
- Energy
- Mining
- Petroleum industry

Efficient Products, Tailored Service

Our focus is on providing highly efficient treatment products for stormwater and wastewater applications. Our unique combination of technical experience and product design provides to our customers an organisation that includes:

- Engineering design
- Manufacturing
- Installation
- Commissioning
- Operational monitoring
- Maintenance

Atlan Stormwater treatment solutions vary from systems based on proven engineering principles through to flexible biological processes. Our diverse range of products provides our customers with various options to achieve their water quality objectives that suit their project timelines, budgets & site constraints.



Innovation

Atlan designs & manufactures quality sustainable stormwater solutions to meet your on-site requirements.



Design Assistance

Our team provides design assistance from engineering guidance to site specific drawings.



Sustainability

Green & sustainable stormwater solutions. Working towards a cleaner water future for all is our core purpose.



Education

Our CPD Library is available on-demand and helps develop knowledge in the stormwater sector.



As family owned business, established in 1972, we have worked hard over the decades to maintain our position as a leading stormwater specialist.

Working with municipalities, engineers and contractors we build risk-free, clean water solutions for the future.

Our products and services cater for every project, and our experienced team provide advice and support in sales, delivery, installation and maintenance.

We are the innovators and problem solvers of the industry, with an investment in collaborative research and development that sets the standards for others to follow.

Removing contaminants and gross pollutants from water is an ongoing challenge, and finding cost-effective, high-performance solutions is our goal.

Building a happy, healthy future for you and your family is our purpose.



Joy in water

What is Joy in Water?

Whether it's ice cubes cooling your drink, building sand castles at the beach or exploring the waterways and estuaries in your kayak, the joy we experience from clean water is precious – and it's worth fighting for.

12 million tons of plastic enter our water system each year, killing marine life, impacting our climate and ecosystem, and finding its way into our food and drinking water. Without drastic change, these numbers will continue to rise.



What do we do at Atlan?

We stop plastic and gross pollution from entering our streams, rivers, bays and seas.



Why do we do it?

We believe that clean waterways are a right, not a privilege.



Who are we?

At Atlan we are Zero Pollution Ambassadors ensuring a Joy In Water experience for you with your family and friends.



How do we do it?

By installing and maintaining independently tested stormwater treatment devices in the source watershed. Doing this we protect marine life and your Joy In Water experiences from the streams to the seas.

Sustainability & Product Certification

At Atlan, sustainability is more than a statement — it's a science-backed promise. Every product we design, and every project we support, is grounded in environmental responsibility, transparency, and continuous research and development.

From product-level certifications such as SQIDEP, NJCAT, ETV, EPD and TAPE verification, to our corporate-level ESG commitments, Atlan Stormwater assists municipalities, engineers, and developers in building infrastructure that not only performs — but protects our waterways for future generations.



COMPLIANCE

Meet procurement, environmental and compliance requirements with verified products.



SUPPORT ESG

Support ESG and sustainability objectives across projects and organizations.



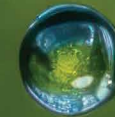
LIFECYCLE IMPACT

Reduce lifecycle impact through efficient, evidence-based design.



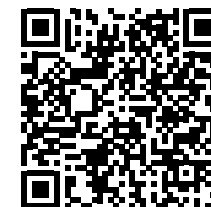
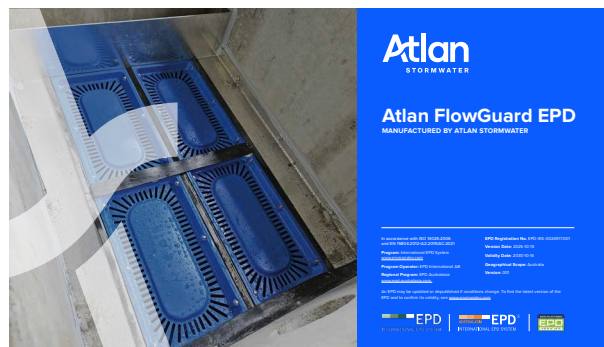
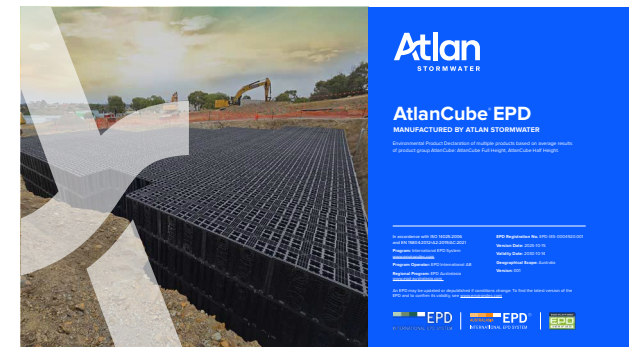
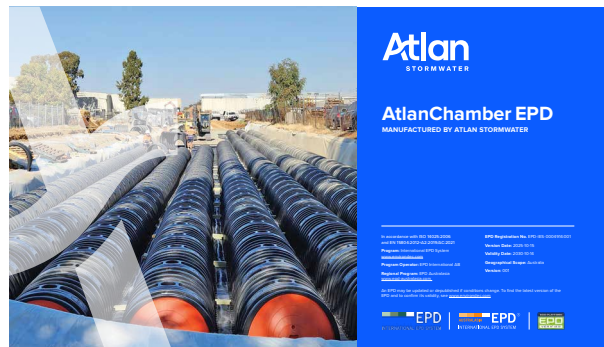
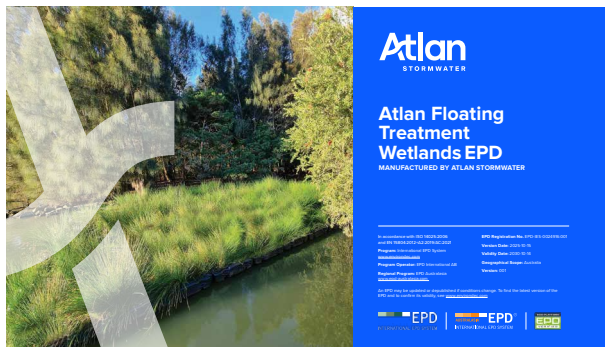
COMMUNITY TRUST

Build community trust by choosing solutions proven to protect the environment.



Environmental Product Declarations (EPDs)

Our Environmental Product Declarations (EPDs) are independently verified and registered documents that communicate transparent information about the life-cycle environmental impact of our products, from raw materials through to carbon emissions and recyclability.



Download + View



Stormwater Quality Improvement Device Evaluation Protocol (SQIDEP)

Stormwater Australia is the custodian of an industry-formulated, independent evaluation process for verifying performance of technologies for improving stormwater quality.

SQIDEP provides a uniform set of criteria to which stormwater treatment measures can be field-tested and reported. These criteria should guide and inform field monitoring programs seeking to demonstrate pollutant removals for stormwater treatment measures included in pollutant export modelling software. Future revisions of the protocol are anticipated to also include laboratory testing.



Emerging Stormwater Treatment Technologies (TAPE)

Supporting the deployment of Atlan Stormwater's water quality range and verifying device performance for our growing global network, the Washington State Department of Ecology Technology Assessment Protocol – Ecology (TAPE) program is America's leading protocol for validating stormwater device performance.

Our current range of TAPE approved devices includes AtlanFilter, and FlowFilter, which join WSDOE's list of approved treatment technologies with CULD (Conditional Use Level Designation) and PULD (Pilot Level Use Designation) under treatment categories including basic (Total Suspended Solids), phosphorus, and heavy metals.



Canadian Environmental Technology Verification (ETV)

Canada's Environmental Technology Verification (ETV) program, which provides an independent evaluation of new technologies with a view to validate environmental claims so that users, developers, regulators, and other parties can make informed decisions about purchasing, applying and regulating innovative technologies.

Our current range of ETV approved devices includes AtlanTrap and FlowFilter.



New Jersey Corporation for Advanced Technology (NJCAT) Verification Program

NJCAT is one of America's premier protocols for verifying stormwater device performance. It provides technology innovators with technical and regulatory support to bring innovative and emerging environmental technologies to market.

AtlanFilter has gained verification under the category of Stormwater Technologies: Laboratory Verified. Through this framework, MTD (Manufactured Treatment Device) stormwater technologies have been tested to NJDEP (New Jersey Department of Environmental Protection) published testing protocols and their performance verified by NJCAT and certified by NJDEP.

FlowGuard



Vortceptor



AtlanTrap



AtlanFilter



FlowFilter





Complete Stormwater Solutions

For the latest news and resources visit atlanstormwater.com





AtlanCube[®]

Modular stormwater storage & detention



Modular & Scalable Geocellular OSD

A versatile geocellular tank design for stormwater detention, retention, reuse, and infiltration, easily customizable to meet site-specific tank volume requirements.



Multistack Configurations

AtlanCube is available in half, single, single & half, double, double & half and triple stack vertical profiles ranging from 16in height to 92in height.



Reduced Footprint & Subsurface OSD

Compact OSD solution for below ground installation, designed to maximize land yield and performance.



Efficient Storage Capacity

Two components per 264gal of module storage capacity.



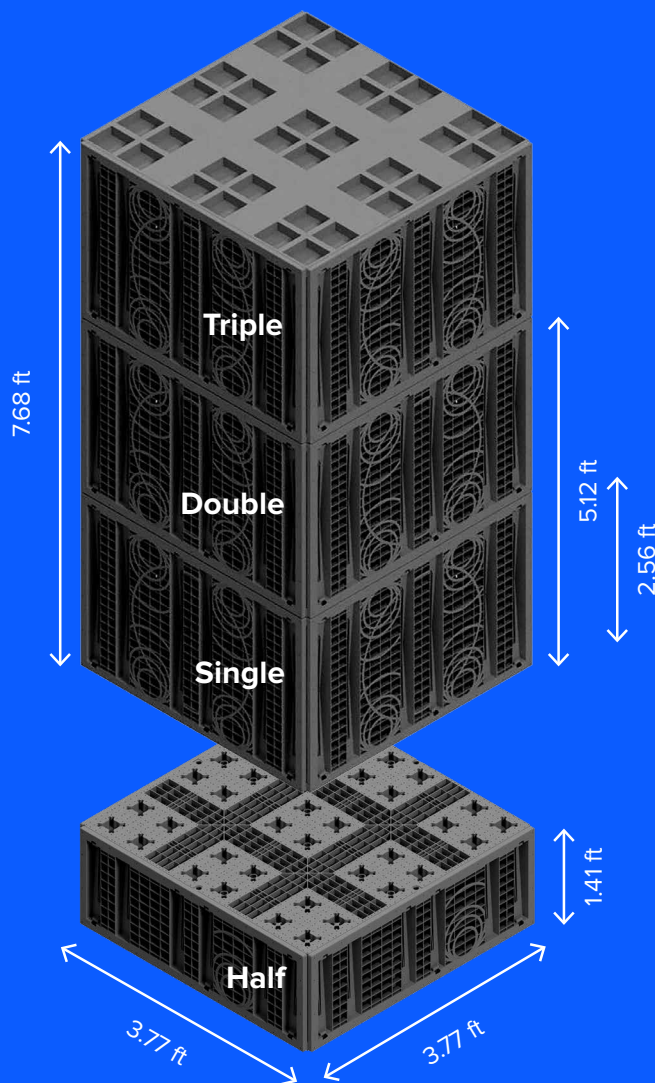
Durable Construction

Built from robust, long-lasting polypropylene (PP) for increased service life in stormwater management applications.



Low Maintenance

Compatible with treatment devices. Easy maintenance with simplified cleaning and maintenance procedures, reducing operational downtime and costs.



Quick Installation

Modular, lightweight components ensure fast and efficient installation, expediting project timelines - no crane requirements.



Cost-Effective

Reduced excavation, freight, and lifting requirements contribute to significant cost savings across project timelines.



Sustainable and Eco-Friendly

Made from 100% recycled PP, contributing to reduced carbon footprint and supporting eco-friendly stormwater management.



Reduced Excavation

Eliminates the need for gravel or rock in storage areas, reducing excavation and installation costs.



Trafficable Design

Designed for robust load capacity and full trafficability, with a Class D load rating exceeding CL-625, H-25 and HS-20 requirements (20 tonne axle load capacity).



Watertight Construction

Option for encasing the system in a welded, pressure-tested LLDPE liner to ensure water tightness - ideal for retention applications.



Environmental Product Declaration (EPD)





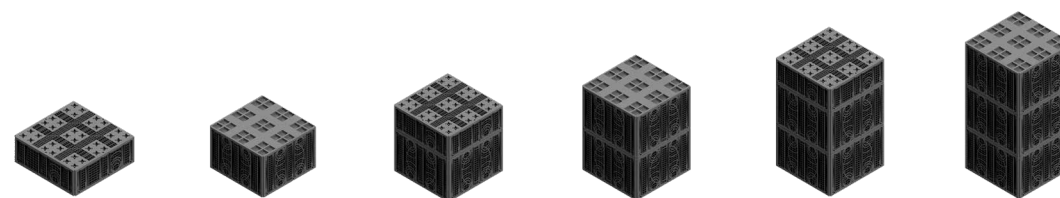
The AtlanCube® is a modular, underground cube tank system that is suited to detention, retention, reuse and infiltration applications. Meeting site specifications for stormwater harvesting and flood mitigation, it is a scalable, sustainable, and versatile solution for water quantity management in freestanding configurations or in combination with other LID/GSI assets.

Locally manufactured, AtlanCube's unique cellular design results in efficiently engineered void spaces with a 97% storage ratio that provide high performance in stormwater retention and detention scenarios. Requiring no gravel or rock within the tank storage area, its modular, lightweight components feature expedited install times, CO² reductions, freight efficiency and reduced excavation requirements.

Maximising lot yield through subsurface installation, AtlanCube is designed for robust load capacity and full trafficability.

Applications

- Parking lots
- Landscaping
- Hardstands



AtlanCube	Half Stack	Single Stack	Single & Half Stack	Double Stack	Double & Half Stack	Triple Stack
Height (ft)	1.41	2.56	3.97	5.12	6.53	7.68
Min. Installed Depth (ft)	3.38	4.53	5.94	7.09	8.50	9.65

Pretreatment system devices

Primary treatment is recommended for incoming stormwater flows prior to their entry into the AtlanCube system. This reduces the conveyance of gross pollutants and sediments from upstream watersheds and decreases the build-up of these pollutants in the tank chambers – which impact the asset's storage capacity, service life, and optimal performance.

This ability to pretreat pollutants greatly reduces the maintenance load on downstream tank systems. Pretreatment limits the requirements for routine maintenance of the AtlanCube to cleaning out the primary treatment system. This cost-effective approach ensures maintenance overheads are reduced, compared to a full maintenance schedule having to be performed on the entire tank chambers. However, it is critical that these pretreatment assets are maintained in a regular, routine fashion.

Atlan has multiple Primary Treatment Systems that are recommended for this solution. Our in-house design team can help you to explore the options available for your site's watershed pollutant loads and developmental requirements.



AtlanCube Infiltration

Our AtlanCube Infiltration System is engineered to safely return stormwater to the surrounding soil, helping to reduce runoff, replenish groundwater and meet local planning requirements.

Designed for commercial, industrial, civil and residential developments, AtlanCube delivers a reliable, space-efficient solution for infiltration, while maintaining the structural performance and installation flexibility expected from the AtlanCube range.

While our Detention Systems temporarily store water before controlled discharge, the Infiltration Systems are designed to permanently disperse captured stormwater into the surrounding ground.

AtlanCube provides a large underground void ratio, allowing stormwater to be stored during rainfall events before gradually infiltrating through the base and surrounding soil profile.

The result is a sustainable stormwater solution that helps restore natural water cycles while reducing pressure on downstream drainage infrastructure.

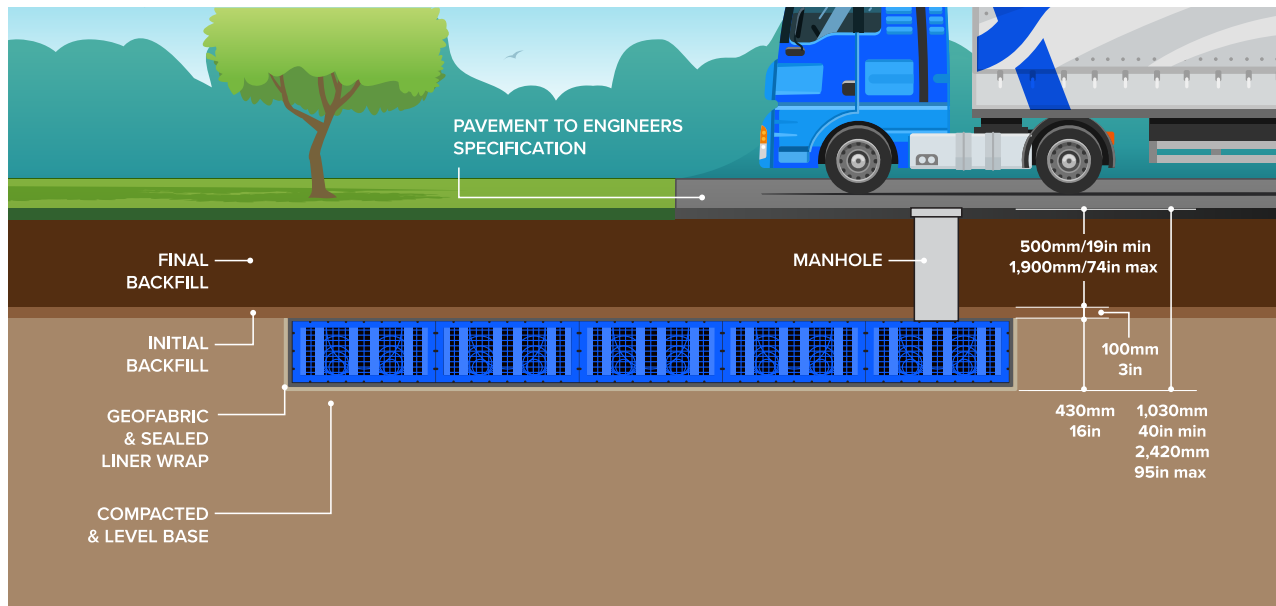
Key Benefits

- Supports groundwater recharge
- Reduces peak stormwater runoff
- Minimises downstream drainage loads
- Compatible with geotextile wrapping

Every site has different hydraulic and geotechnical requirements. AtlanCube systems can be configured to suit project-specific conditions, including storage volume, infiltration rates, available footprint and installation depth.

Where infiltration is required, the system is wrapped in permeable geotextile to allow water to migrate into surrounding soils while preventing sediment migration into the storage chamber.

For sites with varying requirements, Atlan Stormwater can also provide hybrid solutions that combine infiltration, detention and treatment technologies into a single integrated stormwater management system.



Atlancube Half Stack

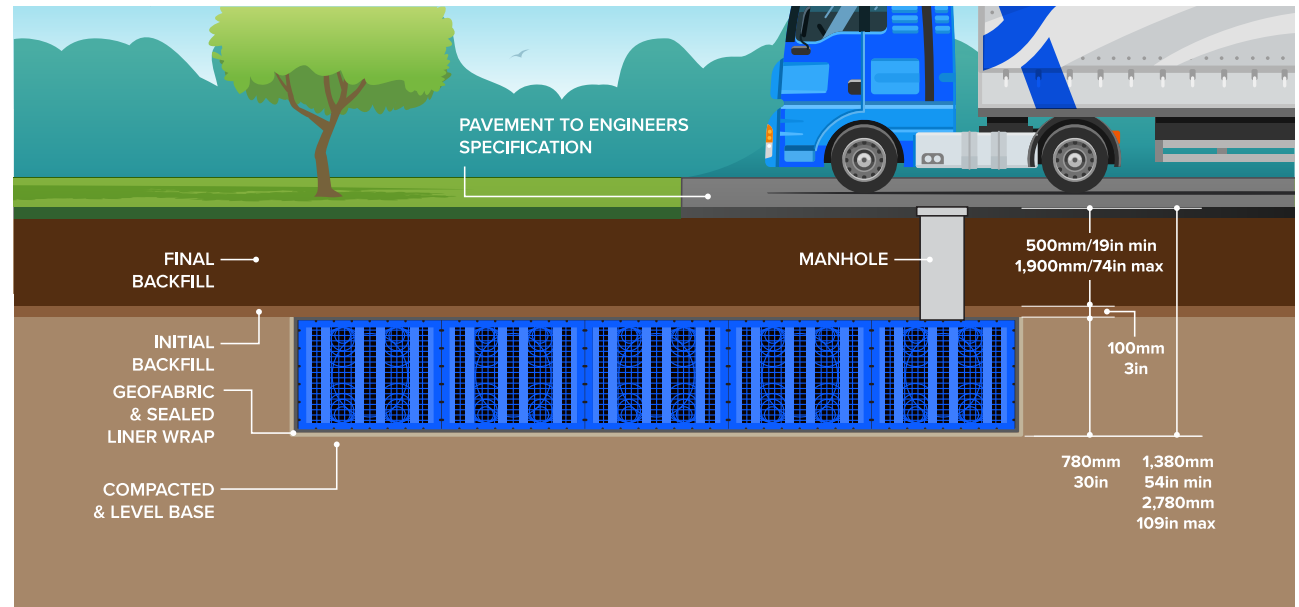
- Height: 16in
- Min. installed depth: 40in
- Max. installed depth: 95in

ATLANCUBE WIDE – WIDTH (NO. OF MODULES)											
ATLANCUBE LONG – LENGTH (NO. OF MODULES)	QTY	1 (3.9ft)	2 (7.7ft)	3 (11.4ft)	4 (15.2ft)	5 (19ft)	6 (22.8ft)	7 (26.5ft)	8 (30.3ft)	9 (34.1ft)	10 (37.8ft)
	All values shown in cubic metres ()										
1 (3.94ft)	17.66	35.31	52.97	70.63	88.29	105.94	123.60	141.26	158.92	176.57	
2 (7.87ft)	35.31	70.63	105.94	141.26	176.57	211.89	247.20	282.52	317.83	353.15	
3 (11.81ft)	52.97	105.94	158.92	211.89	264.86	317.83	370.80	423.78	476.75	529.72	
4 (15.75ft)	70.63	141.26	211.89	282.52	353.15	423.78	494.41	565.04	635.66	706.29	
5 (19.69ft)	88.29	176.57	264.86	353.15	441.43	529.72	618.01	706.29	794.58	882.87	
6 (23.62ft)	105.94	211.89	317.83	423.78	529.72	635.66	741.61	847.55	953.50	1059.44	
7 (27.56ft)	123.60	247.20	370.80	494.41	618.01	741.61	865.21	988.81	1112.41	1236.01	
8 (31.50ft)	141.26	282.52	423.78	565.04	706.29	847.55	988.81	1130.07	1271.33	1412.59	
9 (35.43ft)	158.92	317.83	476.75	635.66	794.58	953.50	1112.41	1271.33	1430.25	1589.16	
10 (39.37ft)	176.57	353.15	529.72	706.29	882.87	1059.44	1236.01	1412.59	1589.16	1765.74	
11 (43.31ft)	194.23	388.46	582.69	776.92	971.15	1165.39	1359.62	1553.85	1748.08	1942.31	
12 (47.24ft)	211.89	423.78	635.66	847.55	1059.44	1271.33	1483.22	1695.11	1907.00	2118.88	
13 (51.18ft)	229.55	459.09	688.64	918.18	1147.73	1377.27	1606.82	1836.36	2065.91	2295.45	
14 (55.12ft)	247.20	494.41	741.61	988.81	1236.01	1483.22	1730.42	1977.62	2224.83	2472.03	
15 (59.06ft)	264.86	529.72	794.58	1059.44	1324.30	1589.16	1854.02	2118.88	2383.74	2648.60	
16 (62.99ft)	282.52	565.04	847.55	1130.07	1412.59	1695.11	1977.62	2260.14	2542.66	2825.17	
17 (66.93ft)	300.17	600.35	900.52	1200.70	1500.87	1801.05	2101.22	2401.40	2701.57	3001.75	
18 (70.87ft)	317.83	635.66	953.50	1271.33	1589.16	1907.00	2224.83	2542.66	2860.49	3178.32	
19 (74.80ft)	335.49	670.98	1006.47	1341.96	1677.45	2012.94	2348.43	2683.92	3019.41	3354.90	
20 (78.74ft)	353.15	706.29	1059.44	1412.59	1765.74	2118.88	2472.03	2825.17	3178.32	3531.47	
21 (82.68ft)	370.80	741.61	1112.41	1483.22	1854.02	2224.83	2595.63	2966.43	3337.24	3708.04	

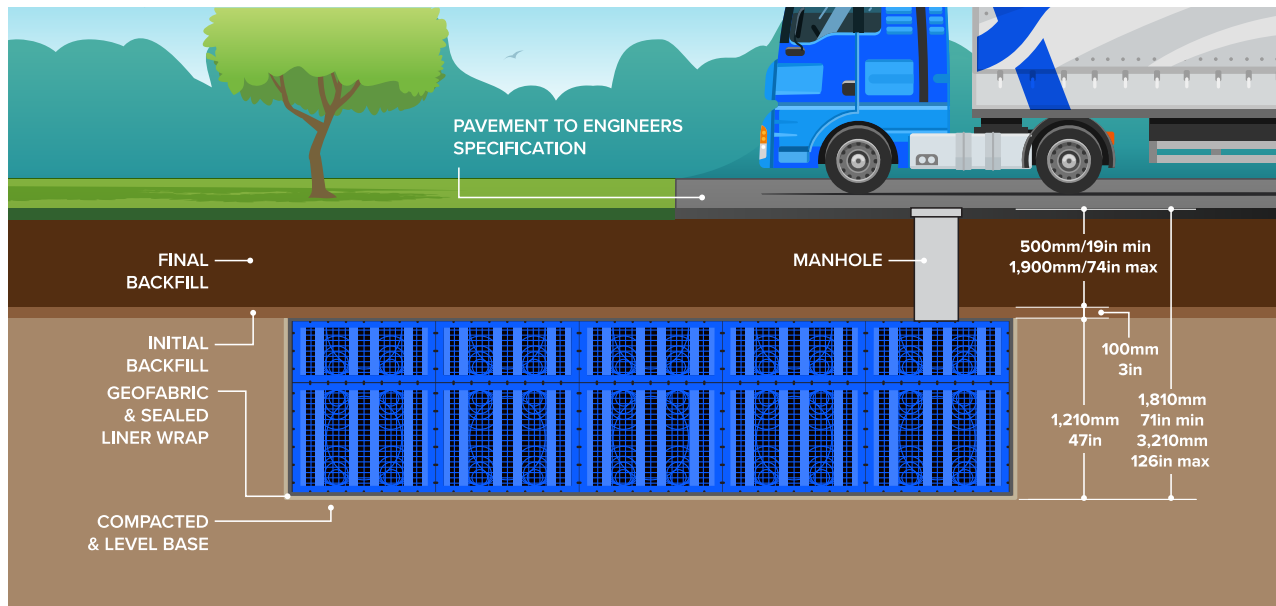


AtlanCube Single Stack

- Height: 30in
- Min. installed depth: 54in
- Max. installed depth: 109in

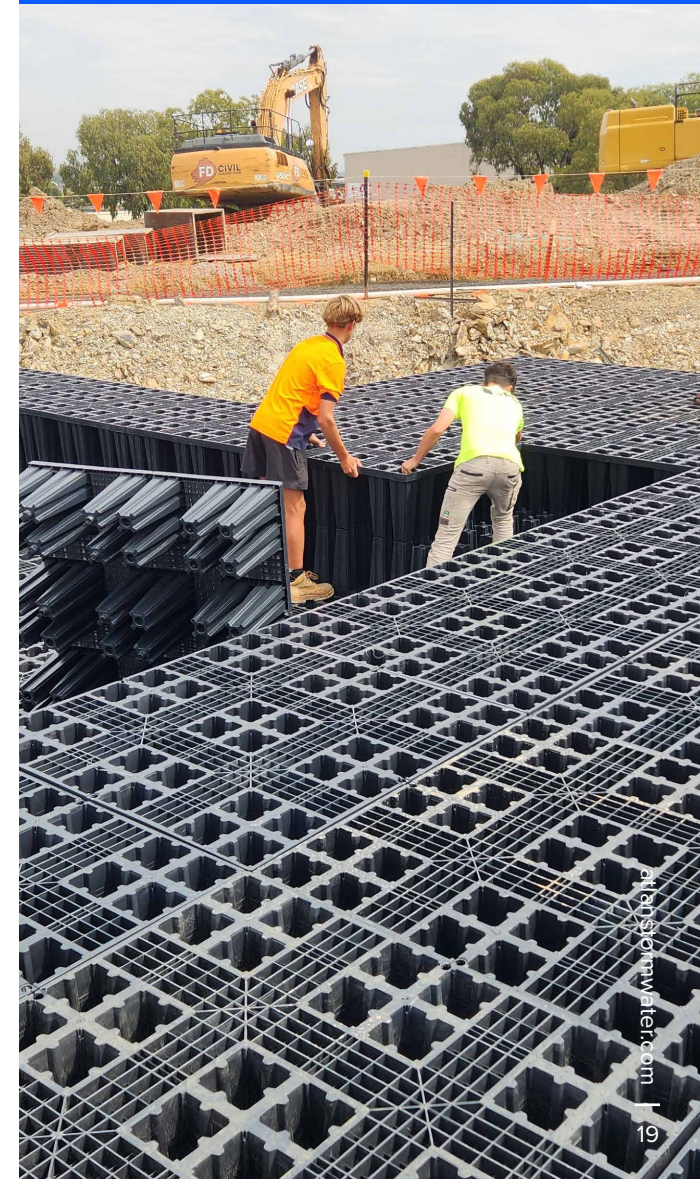


ATLANCUBE WIDE – WIDTH (NO. OF MODULES)											
QTY	1 (3.9ft)	2 (7.7ft)	3 (11.4ft)	4 (15.2ft)	5 (19ft)	6 (22.8ft)	7 (26.5ft)	8 (30.3ft)	9 (34.1ft)	10 (37.8ft)	
	All values shown in cubic metres ()										
1 (3.94ft)	35.3	70.6	105.9	141.3	176.6	211.9	247.2	282.5	317.8	353.1	
2 (7.87ft)	70.6	141.3	211.9	282.5	353.1	423.8	494.4	565.0	635.7	706.3	
3 (11.81ft)	105.9	211.9	317.8	423.8	529.7	635.7	741.6	847.6	953.5	1059.4	
4 (15.75ft)	141.3	282.5	423.8	565.0	706.3	847.6	988.8	1130.1	1271.3	1412.6	
5 (19.69ft)	176.6	353.1	529.7	706.3	882.9	1059.4	1236.0	1412.6	1589.2	1765.7	
6 (23.62ft)	211.9	423.8	635.7	847.6	1059.4	1271.3	1483.2	1695.1	1907.0	2118.9	
7 (27.56ft)	247.2	494.4	741.6	988.8	1236.0	1483.2	1730.4	1977.6	2224.8	2472.0	
8 (31.50ft)	282.5	565.0	847.6	1130.1	1412.6	1695.1	1977.6	2260.1	2542.7	2825.2	
9 (35.43ft)	317.8	635.7	953.5	1271.3	1589.2	1907.0	2224.8	2542.7	2860.5	3178.3	
10 (39.37ft)	353.1	706.3	1059.4	1412.6	1765.7	2118.9	2472.0	2825.2	3178.3	3531.5	
11 (43.31ft)	388.5	776.9	1165.4	1553.8	1942.3	2330.8	2719.2	3107.7	3496.2	3884.6	
12 (47.24ft)	423.8	847.6	1271.3	1695.1	2118.9	2542.7	2966.4	3390.2	3814.0	4237.8	
13 (51.18ft)	459.1	918.2	1377.3	1836.4	2295.5	2754.5	3213.6	3672.7	4131.8	4590.9	
14 (55.12ft)	494.4	988.8	1483.2	1977.6	2472.0	2966.4	3460.8	3955.2	4449.7	4944.1	
15 (59.06ft)	529.7	1059.4	1589.2	2118.9	2648.6	3178.3	3708.0	4237.8	4767.5	5297.2	
16 (62.99ft)	565.0	1130.1	1695.1	2260.1	2825.2	3390.2	3955.2	4520.3	5085.3	5650.4	
17 (66.93ft)	600.3	1200.7	1801.0	2401.4	3001.7	3602.1	4202.4	4802.8	5403.1	6003.5	
18 (70.87ft)	635.7	1271.3	1907.0	2542.7	3178.3	3814.0	4449.7	5085.3	5721.0	6356.6	
19 (74.80ft)	671.0	1342.0	2012.9	2683.9	3354.9	4025.9	4696.9	5367.8	6038.8	6709.8	
20 (78.74ft)	706.3	1412.6	2118.9	2825.2	3531.5	4237.8	4944.1	5650.4	6356.6	7062.9	
21 (82.68ft)	741.6	1483.2	2224.8	2966.4	3708.0	4449.7	5191.3	5932.9	6674.5	7416.1	



Atlancube Single and Half Stack

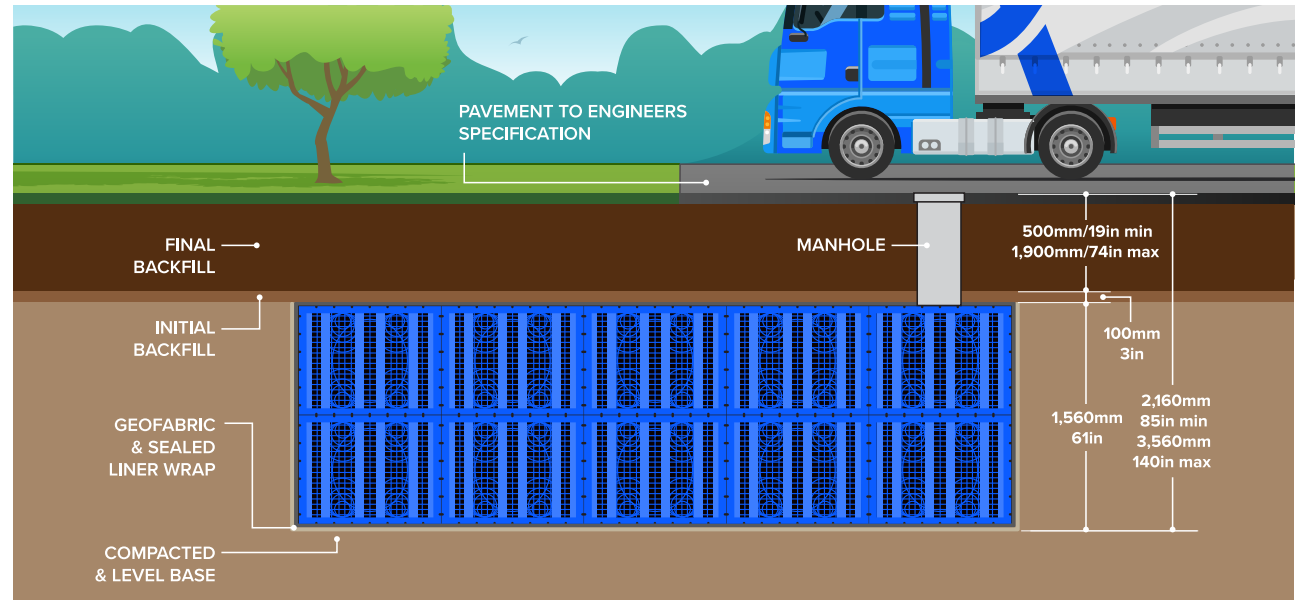
- Height: 47in
- Min. installed depth: 71in
- Max. installed depth: 216in



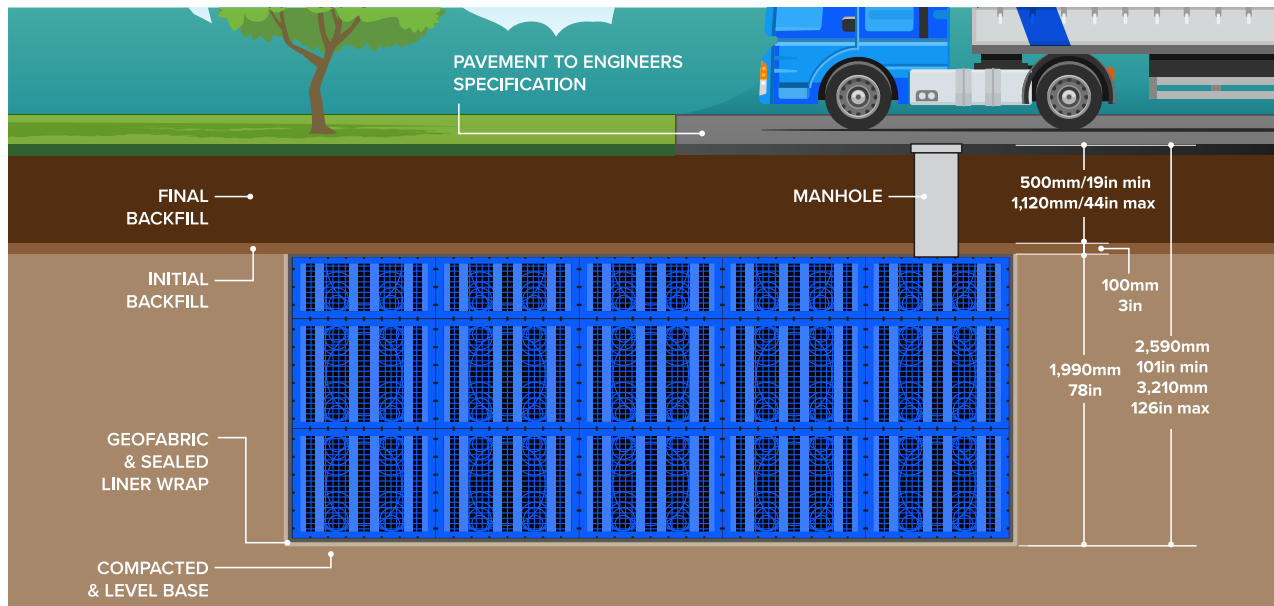
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3 (11.81ft)	158.92	317.83	476.75	635.66	794.58	953.50	1112.41	1271.33	1430.25	1589.16	
4 (15.75ft)	211.89	423.78	635.66	847.55	1059.44	1271.33	1483.22	1695.11	1907.00	2118.88	
5 (19.69ft)	264.86	529.72	794.58	1059.44	1324.30	1589.16	1854.02	2118.88	2383.74	2648.60	
6 (23.62ft)	317.83	635.66	953.50	1271.33	1589.16	1907.00	2224.83	2542.66	2860.49	3178.32	
7 (27.56ft)	370.80	741.61	1112.41	1483.22	1854.02	2224.83	2595.63	2966.43	3337.24	3708.04	
8 (31.50ft)	423.78	847.55	1271.33	1695.11	2118.88	2542.66	2966.43	3390.21	3813.99	4237.76	
9 (35.43ft)	476.75	953.50	1430.25	1907.00	2383.74	2860.49	3337.24	3813.99	4290.74	4767.48	
10 (39.37ft)	529.72	1059.44	1589.16	2118.88	2648.60	3178.32	3708.04	4237.76	4767.48	5297.21	
11 (43.31ft)	582.69	1165.39	1748.08	2330.77	2913.46	3496.15	4078.85	4661.54	5244.23	5826.92	
12 (47.24ft)	635.66	1271.33	1907.00	2542.66	3178.32	3813.99	4449.65	5085.32	5720.98	6356.65	
13 (51.18ft)	688.64	1377.27	2065.91	2754.55	3443.18	4131.82	4820.46	5509.09	6197.73	6886.37	
14 (55.12ft)	741.61	1483.22	2224.83	2966.43	3708.04	4449.65	5191.26	5932.87	6674.47	7416.08	
15 (59.06ft)	794.58	1589.16	2383.74	3178.32	3972.90	4767.48	5562.06	6356.65	7151.23	7945.81	
16 (62.99ft)	847.55	1695.11	2542.66	3390.21	4237.76	5085.32	5932.87	6780.42	7627.97	8475.53	
17 (66.93ft)	900.52	1801.05	2701.57	3602.10	4502.62	5403.15	6303.67	7204.20	8104.72	9005.25	
18 (70.87ft)	953.50	1907.00	2860.49	3813.99	4767.48	5720.98	6674.47	7627.97	8581.47	9534.96	
19 (74.80ft)	1006.47	2012.94	3019.41	4025.87	5032.34	6038.81	7045.28	8051.75	9058.22	10064.69	
20 (78.74ft)	1059.44	2118.88	3178.32	4237.76	5297.21	6356.65	7416.08	8475.53	9534.96	10594.41	
21 (82.68ft)	1112.41	2224.83	3337.24	4449.65	5562.06	6674.47	7786.89	8899.30	10011.71	11124.13	

AtlanCube Double Stack

- Height: 61in
- Min. installed depth: 85in
- Max. installed depth: 140in



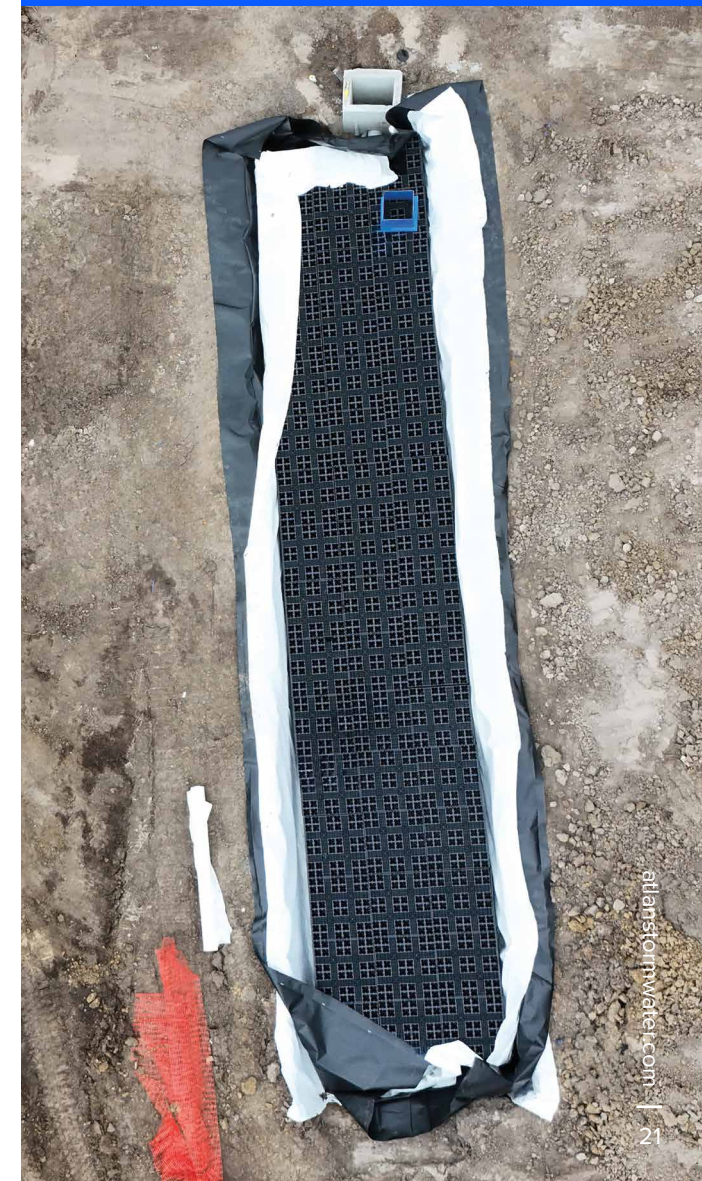
ATLANCUBE WIDE – WIDTH (NO. OF MODULES)											
QTY	1 (3.9ft)	2 (7.7ft)	3 (11.4ft)	4 (15.2ft)	5 (19ft)	6 (22.8ft)	7 (26.5ft)	8 (30.3ft)	9 (34.1ft)	10 (37.8ft)	
	All values shown in cubic metres ()										
1 (3.94ft)	70.6	141.3	211.9	282.5	353.1	423.8	494.4	565.0	635.7	706.3	
2 (7.87ft)	141.3	282.5	423.8	565.0	706.3	847.6	988.8	1130.1	1271.3	1412.6	
3 (11.81ft)	211.9	423.8	635.7	847.6	1059.4	1271.3	1483.2	1695.1	1907.0	2118.9	
4 (15.75ft)	282.5	565.0	847.6	1130.1	1412.6	1695.1	1977.6	2260.1	2542.7	2825.2	
5 (19.69ft)	353.1	706.3	1059.4	1412.6	1765.7	2118.9	2472.0	2825.2	3178.3	3531.5	
6 (23.62ft)	423.8	847.6	1271.3	1695.1	2118.9	2542.7	2966.4	3390.2	3814.0	4237.8	
7 (27.56ft)	494.4	988.8	1483.2	1977.6	2472.0	2966.4	3460.8	3955.2	4449.7	4944.1	
8 (31.50ft)	565.0	1130.1	1695.1	2260.1	2825.2	3390.2	3955.2	4520.3	5085.3	5650.4	
9 (35.43ft)	635.7	1271.3	1907.0	2542.7	3178.3	3814.0	4449.7	5085.3	5721.0	6356.6	
10 (39.37ft)	706.3	1412.6	2118.9	2825.2	3531.5	4237.8	4944.1	5650.4	6356.6	7062.9	
11 (43.31ft)	776.9	1553.8	2330.7	3107.7	3884.6	4661.5	5438.5	6215.4	6992.3	7769.2	
12 (47.24ft)	847.5	1695.1	2542.6	3390.2	4237.8	5085.3	5932.9	6780.4	7628.0	8475.5	
13 (51.18ft)	918.2	1836.4	2754.5	3672.7	4590.9	5509.1	6426.3	7345.5	8263.6	9181.8	
14 (55.12ft)	988.8	1977.6	2966.4	3955.2	4944.1	5932.9	6922.7	7910.5	8899.3	9888.1	
15 (59.06ft)	1059.4	2118.9	3178.3	4237.9	5297.2	6356.6	7419.1	8475.5	9535.0	10594.4	
16 (62.99ft)	1130.1	2260.1	3390.2	4520.3	5650.4	6780.4	7915.5	9040.5	10170.6	11300.7	
17 (66.93ft)	1200.7	2401.4	3602.1	4802.8	6003.5	7204.2	8411.9	9605.6	10806.3	12007	
18 (70.87ft)	1271.3	2542.6	3814.0	5085.3	6356.6	7628.0	8899.3	10170.6	11442	12713.3	
19 (74.80ft)	1342.0	2683.9	4025.9	5367.8	6709.8	8051.8	9397.8	10735.7	12077.6	13419.6	
20 (78.74ft)	1412.6	2825.2	4237.8	5650.4	7062.9	8475.5	9894.2	11300.7	12713.3	14125.9	
21 (82.68ft)	1483.2	2966.5	4449.7	5932.9	7416.1	8899.3	10390.6	11865.7	13348.9	14832.2	



AtlanCube Double and Half Stack

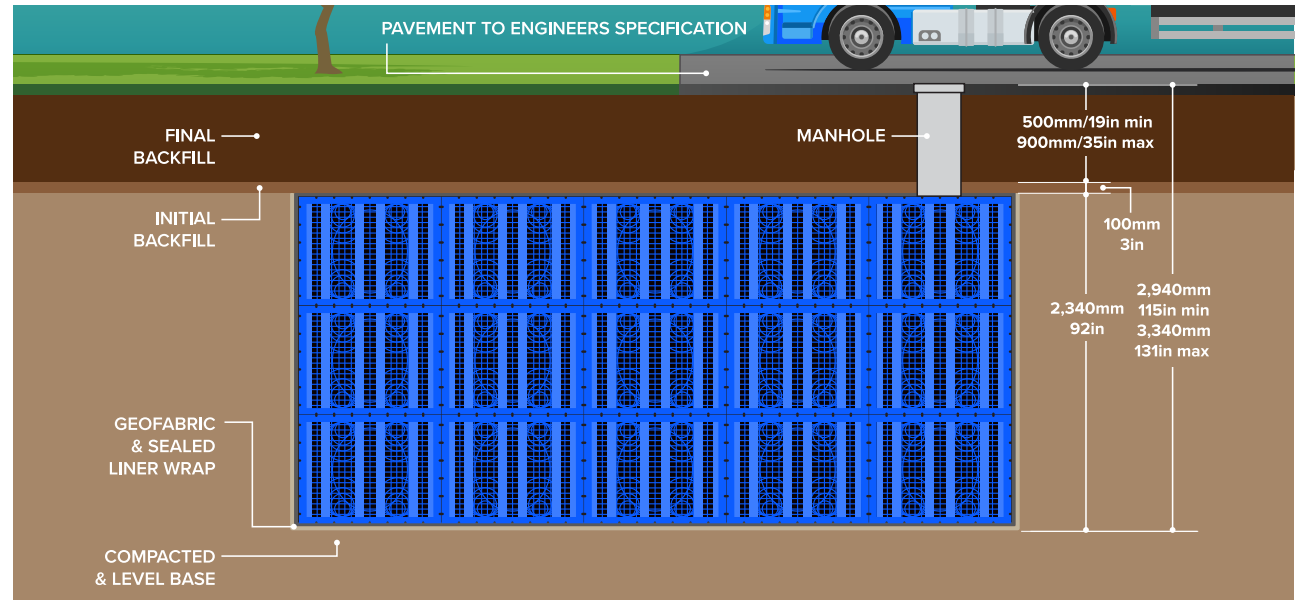
- Height: 78in
- Min. installed depth: 101in
- Max. installed depth: 126in

ATLANCUBE WIDE – WIDTH (NO. OF MODULES)											
QTY	1 (3.9ft)	2 (7.7ft)	3 (11.4ft)	4 (15.2ft)	5 (19ft)	6 (22.8ft)	7 (26.5ft)	8 (30.3ft)	9 (34.1ft)	10 (37.8ft)	
	All values shown in cubic metres ()										
1 (3.94ft)	88.29	176.57	264.86	353.15	441.43	529.72	618.01	706.29	794.58	882.87	
2 (7.87ft)	176.57	353.15	529.72	706.29	882.87	1059.44	1236.01	1412.59	1589.16	1765.74	
3 (11.81ft)	264.86	529.72	794.58	1059.44	1324.30	1589.16	1854.02	2118.88	2383.74	2648.60	
4 (15.75ft)	353.15	706.29	1059.44	1412.59	1765.74	2118.88	2472.03	2825.18	3178.32	3531.47	
5 (19.69ft)	441.43	882.87	1324.30	1765.74	2207.17	2648.60	3090.04	3531.47	3972.90	4414.34	
6 (23.62ft)	529.72	1059.44	1589.16	2118.88	2648.60	3178.32	3708.04	4237.76	4767.48	5297.21	
7 (27.56ft)	618.01	1236.01	1854.02	2472.03	3090.04	3708.04	4326.05	4944.06	5562.06	6180.07	
8 (31.50ft)	706.29	1412.59	2118.88	2825.18	3531.47	4237.76	4944.06	5650.35	6356.65	7062.94	
9 (35.43ft)	794.58	1589.16	2383.74	3178.32	3972.90	4767.48	5562.06	6356.65	7151.23	7945.81	
10 (39.37ft)	882.87	1765.74	2648.60	3531.47	4414.34	5297.21	6180.07	7062.94	7945.81	8828.68	
11 (43.31ft)	971.15	1942.31	2913.46	3884.61	4855.77	5826.92	6798.07	7769.23	8740.38	9711.54	
12 (47.24ft)	1059.44	2118.88	3178.32	4237.76	5297.21	6356.65	7416.09	8475.53	9534.97	10594.41	
13 (51.18ft)	1147.73	2295.45	3443.18	4590.91	5738.64	6886.37	8034.09	9181.82	10329.55	11477.28	
14 (55.12ft)	1236.01	2472.03	3708.04	4944.06	6180.07	7416.09	8652.10	9888.12	11124.13	12360.15	
15 (59.06ft)	1324.30	2648.60	3972.90	5297.21	6621.51	7945.81	9270.11	10594.41	11918.71	13243.01	
16 (62.99ft)	1412.59	2825.18	4237.76	5650.35	7062.94	8475.53	9888.12	11300.70	12713.29	14125.88	
17 (66.93ft)	1500.87	3001.75	4502.62	6003.50	7504.37	9005.25	10506.12	12007.00	13507.87	15008.75	
18 (70.87ft)	1589.16	3178.32	4767.48	6356.65	7945.81	9534.97	11124.13	12713.29	14302.45	15891.62	
19 (74.80ft)	1677.45	3354.90	5032.35	6709.79	8387.24	10064.69	11742.13	13419.58	15097.03	16774.47	
20 (78.74ft)	1765.74	3531.47	5297.21	7062.94	8828.68	10594.41	12360.15	14125.88	15891.62	17657.35	
21 (82.68ft)	1854.02	3708.04	5562.06	7416.09	9270.11	11124.13	12978.15	14832.17	10011.72	18540.22	



AtlanCube Triple Stack

- Height: 92in
- Min. installed depth: 115in
- Max. installed depth: 131in



ATLANCUBE WIDE – WIDTH (NO. OF MODULES)											
QTY	1 (3.9ft)	2 (7.7ft)	3 (11.4ft)	4 (15.2ft)	5 (19ft)	6 (22.8ft)	7 (26.5ft)	8 (30.3ft)	9 (34.1ft)	10 (37.8ft)	
	All values shown in cubic metres ()										
1 (3.94ft)	105.9	211.9	317.8	423.8	529.7	635.7	741.6	847.6	953.5	1059.4	
2 (7.87ft)	211.9	423.8	635.7	847.6	1059.4	1271.3	1483.2	1695.1	1907.0	2118.9	
3 (11.81ft)	317.8	635.7	953.5	1271.3	1589.2	1907.0	2224.8	2542.7	2860.5	3178.3	
4 (15.75ft)	423.8	847.6	1271.3	1695.1	2118.9	2542.7	2966.4	3390.2	3814.0	4237.8	
5 (19.69ft)	529.7	1059.4	1589.2	2118.9	2648.6	3178.3	3708.0	4237.8	4767.5	5297.2	
6 (23.62ft)	635.7	1271.3	1907.0	2542.7	3178.3	3814.0	4449.7	5085.3	5721.0	6356.6	
7 (27.56ft)	741.6	1483.2	2224.8	2966.4	3708.0	4449.7	5191.3	5932.9	6674.5	7416.1	
8 (31.50ft)	874.6	1695.1	2542.6	3390.2	4237.9	5085.5	5932.8	6780.4	7628.0	8475.5	
9 (35.43ft)	953.5	1907.0	2860.6	3814.1	4767.7	5720.9	6674.5	7628.0	8581.5	9535.0	
10 (39.37ft)	1059.4	2118.9	3178.4	4237.9	5297.4	6356.6	7416.1	8475.5	9535.0	10594.4	
11 (43.31ft)	1165.4	2330.8	3496.3	4661.7	5826.9	6992.3	8157.7	9323.0	10488.5	11653.8	
12 (47.24ft)	1271.3	2542.6	3814.1	5085.5	6356.6	7628.0	8899.3	10170.6	11442.0	12713.3	
13 (51.18ft)	1377.3	2754.6	4132.0	5509.1	6886.4	8263.6	9640.9	11018.2	12395.5	13772.7	
14 (55.12ft)	1483.2	2966.5	4449.8	5932.9	7416.1	8899.3	10382.5	11865.7	13349.0	14832.2	
15 (59.06ft)	1589.2	3178.4	4767.7	6356.6	7945.8	9535.0	11124.1	12713.3	14302.5	15891.6	
16 (62.99ft)	695.1	3390.2	5085.5	6780.4	8475.5	10170.6	11865.7	13560.8	15256.0	16951.1	
17 (66.93ft)	1801.1	3602.2	5403.1	7204.2	9005.2	10806.3	12607.3	14408.4	16209.4	18010.5	
18 (70.87ft)	1907.0	3814.1	5720.9	7628.0	9535.0	11442.0	13349.0	15256.0	17162.9	19069.9	
19 (74.80ft)	2013.0	4026.0	6038.8	8051.8	10064.7	12077.6	14090.6	16103.5	18116.4	20129.4	
20 (78.74ft)	2118.9	4237.9	6356.6	8475.5	10594.4	12713.3	14832.2	16951.1	19069.9	21188.8	
21 (82.68ft)	2224.9	4449.8	6674.5	8899.3	11124.1	13349.0	15573.8	17798.6	567m3	22248.3	



AtlanChamber

Modular stormwater storage & detention



OSD, Stormwater Harvesting & Reuse

Modular OSD tank system for detention, retention, and infiltration, designed to effectively manage water quantity and quality.



Load-Rated Fully Trafficable OSD

Superior load ratings which comply with AS5100 and W80 wheel load ideal for parking lots, transport depots, and driveways.



Advanced Infiltration Capabilities

Infiltration chambers with high-infiltration surface area for improved soakage capabilities - ideal for flood prevention and water quantity management.



Customizable and Scalable

Three different arch heights offer a versatile modular design allowing for tailored configurations to meet site-specific footprint, flow rate, and volume requirements.



High-Performance Design

Combines corrugated arch chambers with geotextile and liner technology for underground stormwater storage, maximizing usable land area while providing a flexible, easy-to-specify subsurface solution.



Durable and Reliable

Manufactured from recycled and virgin polypropylene (PP) with a 100-year design life, ensuring long-term durability for civil, residential, and commercial applications.



Environmental Impact Reduction

Enhances infiltration, reduces stormwater runoff, and supports local stormwater management and environmental requirements for effective flood mitigation.



Lightweight and Easy Installation

Lightweight components simplify installation, reduce on-site safety risks, and minimize open excavation time, helping accelerate project timelines.



Easy Maintenance

Our patented Isolator Row simplifies maintenance by capturing sediment and pollutants at the system inlet, preventing them from spreading throughout the storage system.



Environmental Product Declaration (EPD)



AtlanChamber is our comprehensive underground stormwater detention and retention system, combining modular arch chambers, geotextile and liner technology, and Atlan's commitment to engineering support, customer service, and design assistance.

The AtlanChamber system can incorporate Hydrostor, ADS StormTech, and ecoAID arch chamber systems to provide flexible solutions for a wide range of stormwater management applications.

For watertight detention and retention applications, the system is enclosed within an impermeable LLDPE liner that is sealed to create a watertight storage system. Open-bottom chambers allow stormwater runoff to distribute throughout the system via the clean, washed aggregate surrounding and beneath the chambers.

Applications

- Stormwater detention beneath shopping centers and parking lots
- Commercial and industrial stormwater detention
- Recreational areas and athletic fields
- Stormwater capture and reuse
- Bioretention and infiltration systems



Isolator Row

Our patented Isolator Row is a row of AtlanChambers (inlet row) wrapped in a woven geotextile fabric. The fabric provides an effective pollutant removal mechanism designed to capture trash, debris, sediment, and suspended solids.

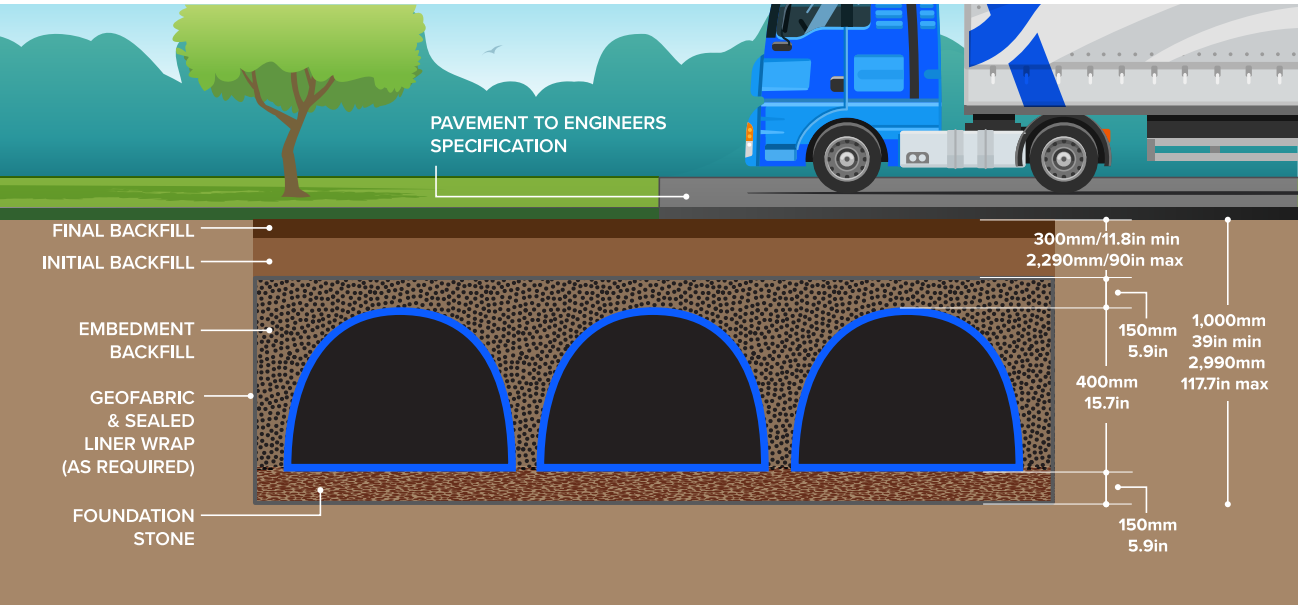
While we recommend installing a pretreatment device upstream of the AtlanChamber system, the Isolator Row provides an additional level of pretreatment by separating and containing pollutants within the inlet row for easier inspection and maintenance.

The Isolator Row is designed to reduce periodic maintenance costs. By “isolating” sediment within a single row, maintenance requirements are significantly reduced by eliminating the need to clean every row throughout the entire storage bed. If inspection indicates that maintenance is required, access is provided through manhole(s) located at the end(s) of the row for cleanout.

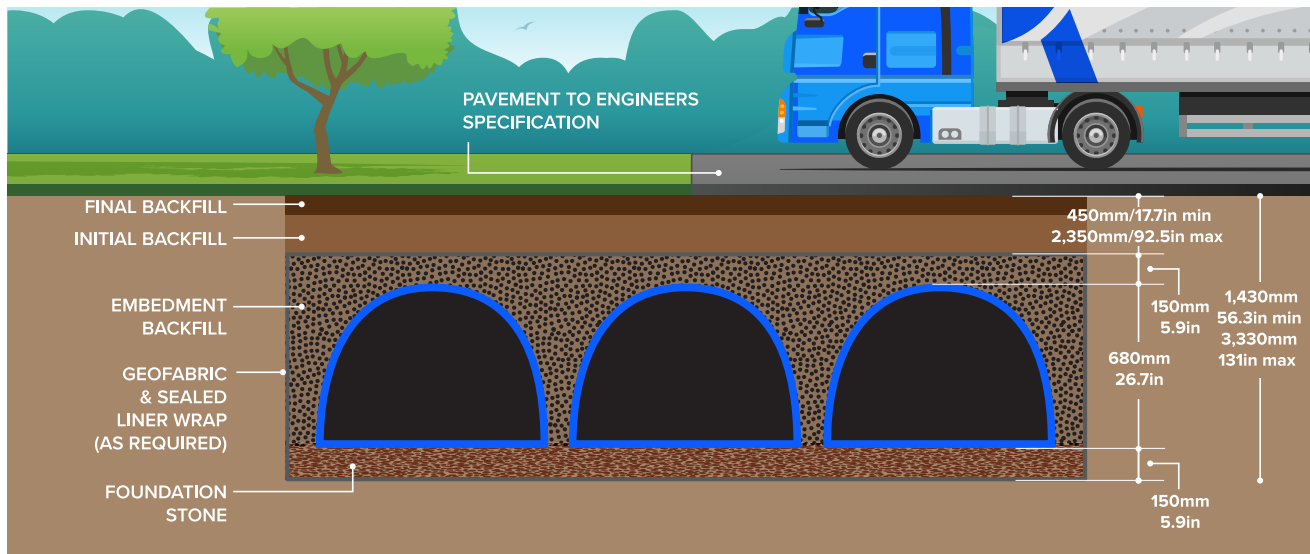
Maintenance is performed using the JetVac process. A high-pressure water nozzle propels itself through the Isolator Row, scouring the chamber and suspending accumulated sediment. As the nozzle is retrieved, captured pollutants are flushed back toward the manhole, where they can be removed by vacuum.

ATLANCHAMBER CHA400

- Height: 15.7in
- Min. installed depth: 39in
- Max. installed depth: 117.7in



CHAMBERS WIDE – WIDTH (NO. OF MODULES)										
QTY	1 (4.9ft)	2 (8.2ft)	3 (11.4ft)	4 (14.7ft)	5 (18ft)	6 (21.6ft)	7 (24.9ft)	8 (28.2ft)	9 (31.5ft)	10 (34.7ft)
	All values shown in cubic metres (ft³)									
1 (14.4ft)	70.6	105.9	176.6	211.9	282.5	317.8	388.5	423.8	494.4	529.7
2 (21.6ft)	105.9	211.9	282.5	353.1	459.1	529.7	600.3	706.3	776.9	847.6
3 (28.8ft)	141.3	282.5	388.5	494.4	600.3	706.3	847.6	953.5	1059.4	1165.4
4 (35.7ft)	211.9	353.1	494.4	635.7	776.9	918.2	1059.4	1200.7	1342.0	1483.2
5 (42.9ft)	247.2	423.8	600.3	776.9	953.5	1130.1	1271.3	1447.9	1624.5	1801.0
6 (50.2ft)	282.5	494.4	706.3	882.9	1094.8	1306.6	1518.5	1730.4	1942.3	2118.9
7 (57.4ft)	317.8	565.0	776.9	1024.1	1271.3	1518.5	1730.4	1977.6	2224.8	2472.0
8 (64.3ft)	353.1	635.7	882.9	1165.4	1447.9	1695.1	1977.6	2224.8	2507.3	2789.9
9 (71.5ft)	388.5	706.3	988.8	1306.6	1589.2	1907.0	2189.5	2507.3	2789.9	3107.7
10 (78.7ft)	423.8	776.9	1094.8	1447.9	1765.7	2083.6	2436.7	2754.5	3072.4	3425.5
11 (85.6ft)	494.4	847.6	1200.7	1553.8	1942.3	2295.5	2648.6	3001.7	3390.2	3743.4
12 (92.8ft)	529.7	918.2	1306.6	1695.1	2083.6	2472.0	2895.8	3284.3	3672.7	4061.2
13 (100.0ft)	565.0	988.8	1412.6	1836.4	2260.1	2683.9	3107.7	3531.5	3955.2	4379.0
14 (106.9ft)	600.3	1059.4	1518.5	1977.6	2436.7	2895.8	3319.6	3778.7	4237.8	4696.9
15 (114.1ft)	635.7	1130.1	1624.5	2118.9	2578.0	3072.4	3566.8	4061.2	4519.3	5014.7
16 (121.3ft)	671.0	1200.7	1730.4	2224.8	2754.5	3284.3	3778.7	4308.4	4838.1	5332.5
17 (128.6ft)	741.6	1271.3	1836.4	2366.1	2931.1	3460.8	4025.9	4555.6	5120.6	5650.4
18 (135.5ft)	776.9	1342.0	1942.3	2507.3	3072.4	3672.7	4237.8	4838.1	5403.1	5968.2
19 (142.7ft)	812.2	1412.6	2012.9	2648.6	3249.0	3849.3	4485.0	5085.3	5685.7	6286.0
20 (149.9ft)	847.6	1483.2	2118.9	2789.9	3425.5	4061.2	4696.9	5332.5	5968.2	6639.2
21 (156.8ft)	882.9	1553.8	2224.8	2895.8	3566.8	4237.8	4908.7	5615.0	6286.0	6957.0



ATLANCHAMBER CHA680

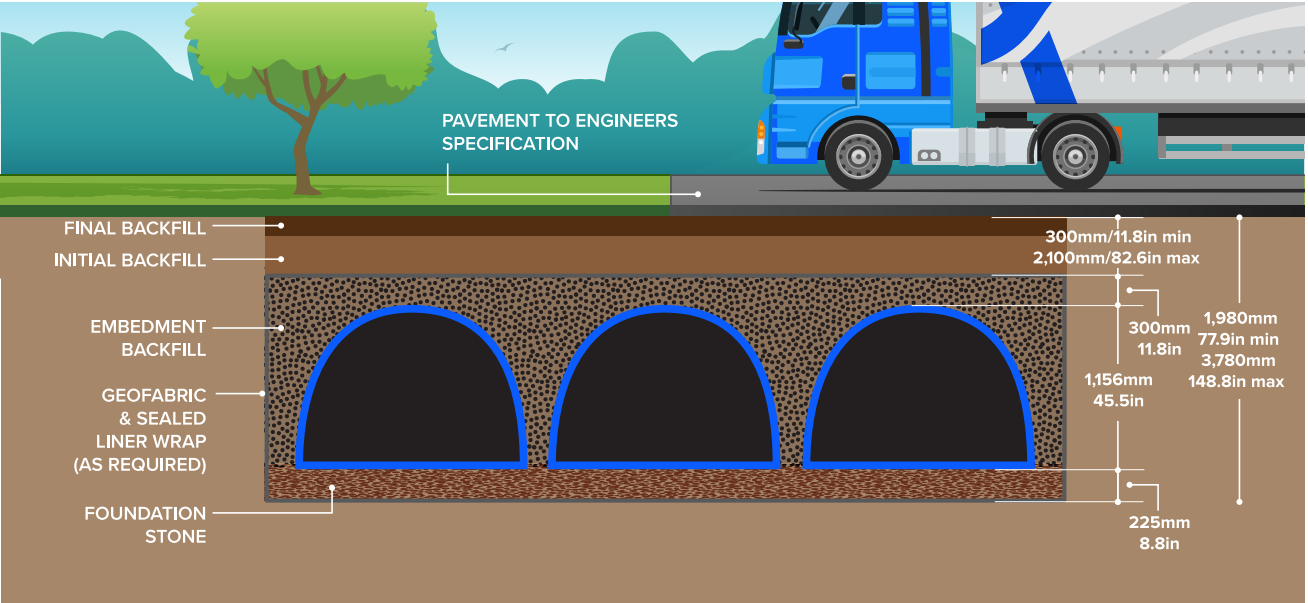
- Height: 26.7in
- Min. installed depth: 56.3in
- Max. installed depth: 131in

CHAMBERS WIDE – WIDTH (NO. OF MODULES)											
CHAMBERS LONG – LENGTH (NO. OF MODULES)	QTY	1 (5.9ft)	2 (10.1ft)	3 (14.4ft)	4 (18.7ft)	5 (22.9ft)	6 (27.2ft)	7 (31.5ft)	8 (35.7ft)	9 (40.3ft)	10 (44.6ft)
	All values shown in cubic metres (ft ³)										
1 (7.22ft)	70.6	141.3	176.6	211.9	282.5	317.8	388.5	423.8	459.1	529.7	
2 (10.50ft)	105.9	176.6	282.5	353.1	423.8	494.4	600.3	671.0	741.6	812.2	
3 (13.78ft)	141.3	247.2	353.1	459.1	565.0	671.0	812.2	918.2	1024.1	1130.1	
4 (17.06ft)	176.6	317.8	459.1	600.3	741.6	882.9	988.8	1130.1	1271.3	1412.6	
5 (20.34ft)	211.9	388.5	565.0	706.3	882.9	1059.4	1200.7	1377.3	1553.8	1695.1	
6 (23.62ft)	247.2	459.1	635.7	847.6	1024.1	1236.0	1412.6	1624.5	1801.0	2012.9	
7 (26.90ft)	282.5	529.7	741.6	953.5	1200.7	1412.6	1624.5	1871.7	2083.6	2295.5	
8 (30.18ft)	317.8	565.0	847.6	1094.8	1342.0	1589.2	1836.4	2083.6	2366.1	2613.3	
9 (33.46ft)	353.1	635.7	918.2	1200.7	1483.2	1765.7	2048.3	2330.8	2613.3	2895.8	
10 (36.75ft)	388.5	706.3	1024.1	1342.0	1624.5	1942.3	2260.1	2578.0	2895.8	3213.6	
11 (40.03ft)	423.8	776.9	1094.8	1447.9	1801.0	2118.9	2472.0	2825.2	3143.0	3496.2	
12 (43.31ft)	459.1	847.6	1200.7	1589.2	1942.3	2295.5	2683.9	3037.1	3425.5	3778.7	
13 (46.59ft)	494.4	918.2	1306.6	1695.1	2083.6	2507.3	2895.8	3284.3	3672.7	4096.5	
14 (49.87ft)	529.7	953.5	1377.3	1836.4	2260.1	2683.9	3107.7	3531.5	3955.2	4379.0	
15 (53.15ft)	565.0	1024.1	1483.2	1942.3	2401.4	2860.5	3319.6	3778.7	4237.8	4696.9	
16 (56.43ft)	600.3	1094.8	1589.2	2048.3	2542.7	3037.1	3531.5	3990.6	4485.0	4979.4	
17 (59.71ft)	635.7	1165.4	1659.8	2189.5	2683.9	3213.6	3743.4	4237.8	4767.5	5261.9	
18 (62.99ft)	671.0	1236.0	1765.7	2295.5	2860.5	3390.2	3955.2	4485.0	5014.7	5579.7	
19 (66.27ft)	706.3	1306.6	1871.7	2436.7	3001.7	3566.8	4167.1	4732.2	5297.2	5862.2	
20 (69.55ft)	741.6	1342.0	1942.3	2542.7	3143.0	3743.4	4343.7	4979.4	5579.7	6179.1	
21 (72.83ft)	776.9	1412.6	2048.3	2683.9	3319.6	3955.2	4555.6	5191.3	5827.0	6462.6	
22 (76.12ft)	812.2	1483.2	2154.2	2789.9	3460.8	4131.8	4767.5	5438.5	6109.4	6745.1	
23 (79.40ft)	847.6	1553.8	2224.8	2931.1	3602.1	4308.4	4979.4	5685.7	6356.6	7062.9	
24 (82.68ft)	882.9	1624.5	2330.8	3037.1	3778.7	4485.0	5191.3	5932.9	6639.2	7345.5	



ATLANCHAMBER CHA1200

- Height: 45.5in
- Min. installed depth: 77.9in
- Max. installed depth: 148.8in



CHAMBERS WIDE – WIDTH (NO. OF MODULES)										
QTY	1 (8.5ft)	2 (15.7ft)	3 (22.6ft)	4 (29.8ft)	5 (37.0ft)	6 (44.2ft)	7 (51.5ft)	8 (58.4ft)	9 (65.6ft)	10 (72.8ft)
	All values shown in cubic metres (ft³)									
1 (15.09ft)	353.1	706.3	1024.1	1342.0	1659.8	2012.9	2330.8	2648.6	2966.4	3319.6
2 (21.98ft)	565.0	1094.8	1589.2	2083.6	2613.3	3107.7	3602.1	4131.8	4626.2	5120.6
3 (29.20ft)	776.9	1447.9	2154.2	2825.2	3531.5	4202.5	4908.7	5579.7	6286.0	6957.0
4 (36.42ft)	988.8	1836.4	2719.2	3566.8	4449.7	5332.5	6179.1	7062.9	7909.5	8793.4
5 (43.31ft)	1165.4	2224.8	3284.3	4308.4	5367.8	6427.3	7486.7	8508.8	9570.3	10629.7
6 (50.52ft)	1377.3	2613.3	3849.3	5085.3	6286.0	7522.0	8758.1	9994.1	11230.1	12430.8
7 (57.74ft)	1589.2	3001.7	4414.3	5827.0	7239.5	8616.8	10029.4	11442.0	12854.5	14267.1
8 (64.63ft)	1765.7	3390.2	4979.4	6568.5	8864.0	9746.9	11336.0	12925.2	14514.3	16103.5
9 (71.85ft)	1977.6	3743.4	5544.4	7310.1	9075.9	10841.6	12607.3	14373.1	16174.1	17939.9
10 (79.07ft)	2189.5	4131.8	6074.1	8051.8	9994.1	11936.4	13914.0	15855.3	17797.6	19775.9
11 (86.29ft)	2401.4	4519.3	6639.2	8793.4	10912.2	13066.4	15185.3	17339.5	19458.4	21577.3
12 (93.18ft)	2578.0	4908.7	7204.2	9534.9	11830.4	14161.2	16492.0	18787.5	21118.2	23060.5
13 (100.39ft)	2789.9	5297.2	7769.2	10276.6	12783.9	15256.0	17763.3	20270.6	22742.7	25250.0
14 (107.61ft)	3001.7	5685.7	8334.3	11018.2	13702.1	16386.0	19034.6	21718.5	24396.5	27080.4
15 (114.50ft)	3178.3	6038.8	8899.3	11759.8	14620.3	17480.8	20341.3	23201.8	26062.3	28887.5
16 (121.72ft)	3390.2	6427.3	9464.3	12501.4	15538.5	18575.5	21612.6	24649.7	27686.7	30723.8
17 (128.94ft)	3602.1	6815.7	10029.4	13243.0	16456.6	19705.6	22919.3	26132.9	29346.5	32560.1
18 (135.83ft)	3813.9	7204.2	10594.4	13984.6	17410.1	20799.3	24188.6	27577.8	31003.3	34392.5
19 (143.04ft)	3990.6	7592.7	11159.5	14726.2	18328.3	21895.1	25497.2	29064.0	32630.8	36232.9
20 (150.26ft)	4202.5	7981.1	11724.5	15467.8	19246.5	22989.9	26768.6	30512.0	34290.6	38033.9
21 (157.15ft)	4414.3	8334.3	12289.5	16244.8	20164.7	24119.9	28039.9	31995.1	35950.3	39870.2

AtlanChamber Sizes

ON-SITE STORMWATER DETENTION (OSD)
ARCH CHAMBER SOLUTIONS

MODULAR ARCHES, GEOFABRIC
& LINER TECHNOLOGY

CHA1200

CHA680

CHA400

~40%
Reduction

~40%
Reduction

CHA1200

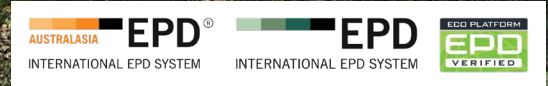
77.9in
installed depth

CHA680

56.3in
installed depth

CHA400

39in
installed depth



Floating Treatment Wetlands

Biomimetic modules for environmentally-sound
& sustainable stormwater treatment



Supercharged Pollutant Removal

Exposed plant roots in the water column create a network of natural, biological stormwater treatment pathways. Providing increased surface area for biofilm growth, these microorganism hotspots drive sedimentation, nitrification, and reduce algal blooms.



Robust Riverway Performance

Meeting the demands of your project's community, climate and water conditions, our Floating Wetlands are designed with custom anchoring to meet the demands of your waterways – with extensive testing in areas subject to wave chop, water movement, wind loading and boating use.



Modular & Scalable Design

Modular systems allow for easy customization and expansion based on water body size and treatment needs. Effective for municipal, industrial, and agricultural wastewater treatment.



Zero Land Use & Erosion Control

Floating Wetlands occupy smaller site footprints and are designed for placement on open water bodies – improving land usability, community access and lot yield. Provides resilience against flooding and erosion.



Biomimicry of Natural Floating Islands

Biomimetic treatment asset that mirror the natural ecology of floating islands and provide the nutrient absorption and stormwater pollution removal capabilities of wetlands environments.



Improving Land Value

Constructed stormwater wetlands enhances waterfront beautification, amenity and water quality programs. Lifting property value and livability, these green assets protect our waterways and can be retrofitted in existing ponds, lakes and streams.



Habitats for Local Fauna & Flora

Providing floating island habitats for local species, such as frogs, birds, turtles and fish, floating wetlands allow wildlife and plants to thrive. Mirroring natural wetlands, they can be customized with native plant selections and local flora to support biodiversity.



Sustainable Waterways

Floating Wetlands mimic natural green ecosystems – with minimal environmental impacts. They require no power to operate, the manufacturing process is low-energy, and the plants are eco-sourced to harmonize with natural vegetation. Helps mitigate climate change by capturing carbon dioxide through plant growth.



Plant Density

Recommended planting density is three to five plants per ten square feet with species selected for their superior root structures offering an increased surface area. Popular options include terrestrial species such as wetland sedges, rushes and grasses.



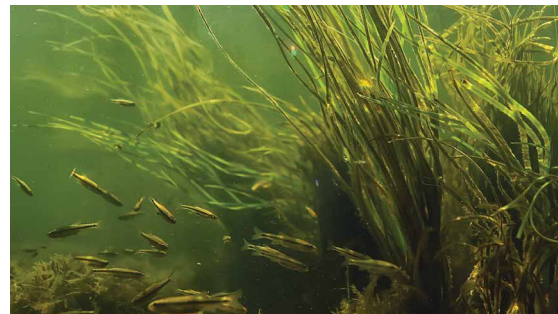
The Atlan Floating Treatment Wetlands are an innovative, nature-based water treatment solution designed to improve water quality by mimicking natural wetlands.

These floating platforms support aquatic plants whose roots extend into the water, absorbing pollutants such as nitrates, phosphates, heavy metals, and organic matter. Beneficial microbes colonize the plant roots, further enhancing pollutant breakdown and nutrient removal.

Made from durable, eco-friendly, and buoyant materials, Floating Wetlands are modular and scalable, making them adaptable for various water bodies, including lakes, rivers, reservoirs, ponds, and stormwater basins. They help control algae blooms, enhance dissolved oxygen levels, and provide habitat for fish, birds, and other aquatic life. Additionally, they contribute to climate resilience by sequestering carbon, preventing erosion, and reducing the impact of flooding.

Applications

- Municipal wastewater treatment
- Treatment of stormwater runoff
- Industrial wastewater treatment
- Stream and lake restoration
- Beautification of community facilities
- Golf courses or facilities that utilize treated wastewater effluent



In stormwater applications, the installation of Floating Wetlands into inlet zones or detention lagoons greatly enhances the stormwater cleaning process by removing:

- Total suspended solids
- Nutrients
- Gross pollutants
- Heavy metals
- Fine colloidal and particulates

Independently tested and validated, these systems provide high-rate performance in both average flow and storm events. Truly environmentally sound and sustainable, Floating Wetlands have a dramatic effect on:

- Anaerobic digestion
- Odor mitigation
- Nitrification processes
- Denitrification and polishing
- Biochemical oxygen demand
- Removal of TSS
- Reduction in fecal coliforms
- Reduction in phosphorus

Floating Wetlands Pollutant Removal Mechanisms





How Does It Work?

Atlan Floating Treatment Wetlands (FTWs) provide an innovative, nature-based solution for improving water quality in a variety of aquatic environments. By mimicking natural wetlands, they create a fertile base for plant growth while facilitating bioremediation—where microbes and bacteria break down pollutants.

Bio-Remediation Through Plant Roots

As plants grow on the floating wetland modules, their roots extend downward through the wetland media, creating an extensive surface area for microbial activity. These microbes and bacteria, which do not swim, attach themselves to the fibrous root structures and the wetland's biofilm. Within this biofilm, they trap and digest organic matter, odors, and excess nutrients such as nitrogen and phosphorus, effectively purifying stormwater and wastewater.

Maximizing Pollutant Removal

The floating wetland modules create a dense root mass beneath the water's surface, with varying root densities. This variation enhances the interaction between water and biofilm, increasing the efficiency of pollutant breakdown. The microbial colonies secrete sticky extracellular proteins, allowing them to

thrive and form biofilms that continuously clean the water by reducing total suspended solids and biochemical oxygen demand.

Advanced Modular Biological System

Developed with leading international scientists, Atlan FTWs represent a breakthrough in water treatment technology. The modular design allows for flexible installation in various sizes and configurations. Each floating module measures approximately 34 in (858mm) x 34 in (858mm) and can be connected using patented locking pins to cover larger areas. This staged installation approach is ideal for projects with budget constraints, allowing for gradual expansion to meet future wastewater treatment needs.



Plant Selection for Maximum Efficiency

The plant species used in Atlan FTWs are carefully selected to suit the project's specific environment. They include a mix of wetland species from the sedge, grass and rush families, suited for both freshwater and brackish conditions.

We recommend the use of native plants as approved by your local state or provincial conservation authority.

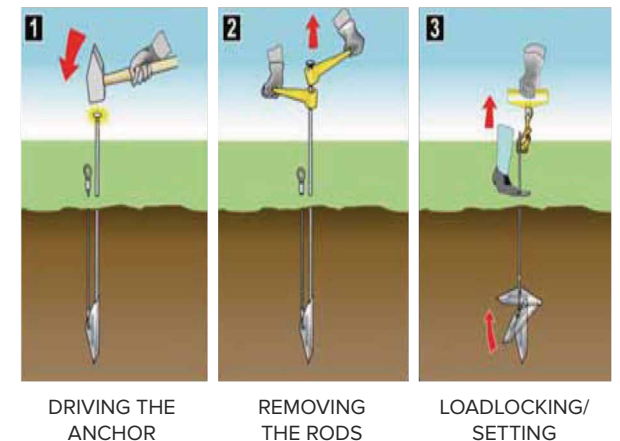


Anchoring and Tethering for Stability

Each floating wetland system is securely anchored to prevent unwanted movement while still allowing for vertical flexibility. This ensures the wetlands can rise and fall with the tide or changes in water levels, maintaining consistent contact with the water surface for optimal performance.

The anchoring and tethering solutions are customized based on local site conditions and may include platypus ground anchors, plow anchors, concrete blocks and fixed bank anchor points.

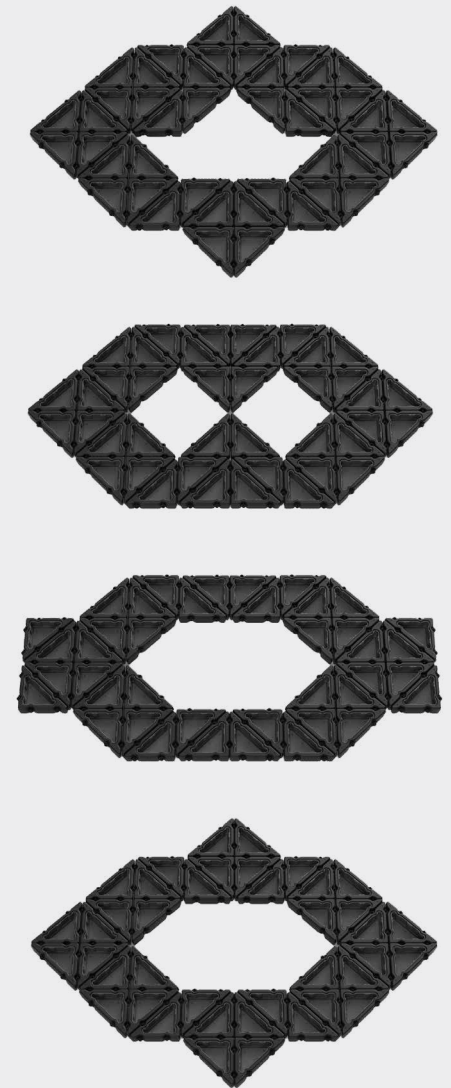
With its scientifically proven effectiveness, Atlan Floating Treatment Wetlands offer a sustainable, adaptable, and high-performance solution for restoring and maintaining healthy aquatic ecosystems.





Wind and Wave Movement Modelling

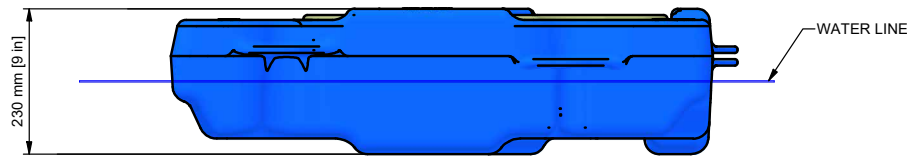
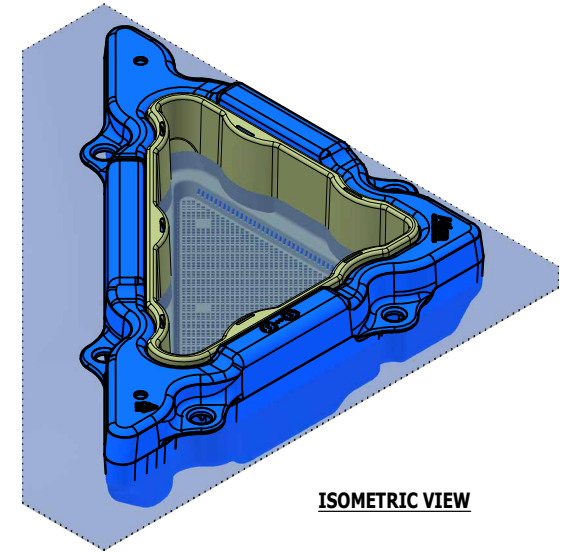
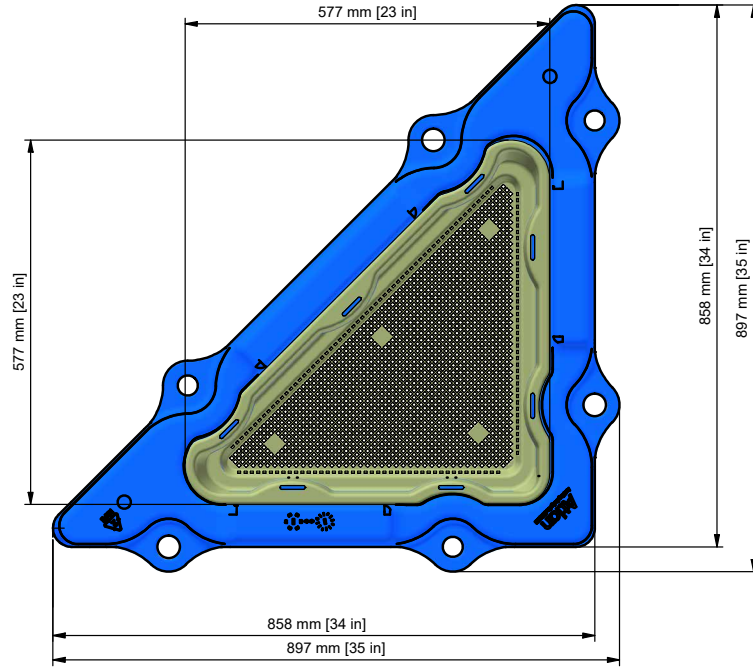
The Floating Wetlands have been modelled and tested to be installed in areas subject to wave chop and water movement mixed with wind loads. They are constructed with significant allowance for movement and flex, thus making them suitable for installations in areas exposed to boat and wave movement.



Customizable Solutions

Floating Treatment Wetlands are available in a range of customizable solutions from size, shapes, functionality and environmental capabilities. Our experienced team is available to guide you through the design process and can work with you to achieve your project goals.

TRIANGLE MODULE DESIGN DATA



TOLERANCE: All Dimensions to Closest 10 mm & +/- 30 mm

ALL INTERCONNECTING PIPEWORK, PITS AND ASSOCIATED DRAINAGE BY OTHERS

CLIENT:

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Drawn	Date
P.Z.	1/07/2024
Check	Date
Verified	Date
Approved	Date
Request No.	

Atlan
STORMWATER

PROJECT

TITLE
 WETLANDS TRIANGLE MODULE
 MESH-004_FLOAT_20210929
 MESH-003_TRAY_20210929
 DESIGN DATA SHEET

SCALE	SIZE	SHEET	REV
N.T.S	A3	1	1
CUSTOMER CODE :		DWG No. 240701.P.01.GA	

REV	DATE	BY	DESCRIPTION	CHK
1	7/07/2024	P.Z.	INITIAL RELEASE	



AtlanFilter®

Cartridge filter for tertiary stormwater treatment



Advanced Filtration Technology

Utilizes up-flow filtration to effectively capture pollutants such as sediment, hydrocarbons, heavy metals, phosphorus, nitrogen, and total suspended solids (TSS).



Compact Design

AtlanFilter's compact, modular design suits tight spaces and supports unlimited cartridges. Raised 7.9in off the ground, the legs help prevent clogging and extend media life.



High-Efficiency Inorganic Media

AtlanFilter's inorganic filter media ensures it doesn't leach nitrogen and other nutrients. Providing high removal efficiencies, the cartridge system is designed for high flow capacity and greater surface area for stormwater treatment.



Durable Construction

AtlanFilter's design has no moving parts which increases reliability, longevity and durability.



Environmental Product Declaration (EPD)



Versatile Applications

Suitable for manholes, OSD tanks, vaults, and both trafficable and non-driveable zones, providing adaptable stormwater solutions.



Easy Installation and Maintenance

Lightweight, no-crane installation with straightforward maintenance, easy cartridge access for pollutant removal, and a highly effective vertical backwash action that keeps the media clean and fresh.



Flexible Flow Rate

Offers 47.6 gpm for full height and 23.8 gpm for half height filters, with SQIDEP-verified performance.



Sustainable Performance

Inorganic media prevents nutrient leaching, ensuring efficient and reliable treatment outcomes.



Locally Manufactured

Manufactured locally to ensure competitive pricing and reduce delivery times.

Tertiary Stormwater Filtration Cartridges

Our cartridge filter system, AtlanFilter®, is a tertiary stormwater filtration system that incorporates an upflow treatment process which maximizes surface treatment area. Flow through the filter cartridges utilizes a self-regulating siphon which results in a low maintenance and high performance treatment of stormwater runoff. The automatic backwash at the end of each storm event further lengthens the lifespan of the stormwater treatment filter.

Hydraulic pressure forces water through the filter media — causing a constant velocity throughout the filter area realizing a consistent media contact time and therefore treatment. Upon completion of a stormwater treatment cycle, the filter backwashes and effectively dislodges particulates from the filtration layers.

Applications

- Parking lots & shopping centers
- Municipal yards
- Industrial estates
- Heavy vehicle maintenance
- Airport aprons & tarmacs
- Transport depots & loading bays
- Tunnels
- Highways & transport corridors
- Recycling yards



SQIDEP Tested Treatment Efficiencies*

AtlanFilter is SQIDEP approved after passing Stormwater Australia’s rigorous testing and performance assessment process.

POLLUTANT	EFFICIENCY
Total Suspended Solids (TSS)	85%
Total Phosphorus (TP)	74%
Total Nitrogen (TN)	59%

*Contact Atlan to confirm approved performance for the project LGA



New Jersey Corporation for Advanced Technology (NJCAT) Verification Program



Emerging stormwater treatment technologies TAPE Designation

The AtlanFilter range are TAPE designated devices through the Washington State Department of Ecology TAPE program (Technology Assessment Protocol – Ecology), America’s leading protocol for validating stormwater device performance.

Visit our website for detailed treatment reports.

TREATMENT CATEGORY	TAPE DESIGNATION
Basic (total suspended solids)	Conditional Use Level Designation (CULD)
Phosphorus	Conditional Use Level Designation (CULD)
Dissolved metals	Pilot Use Level Designation (PULD)



ATLANFILTER	STANDARD HEIGHT FIL-3.0	STANDARD HEIGHT - SHORT LEGS FIL-3.0.SF	HALF HEIGHT FIL-1.5	HALF HEIGHT - SHORT LEGS FIL-1.5.SF
Overall height	850mm	750mm	615mm	515mm
Diameter	726mm	726mm	726mm	726mm
Minimum head required	850mm	750mm	550mm	450mm
Treatment flow rate	3.0L/s	3.0L/s	1.5 L/s	1.5 L/s
Filter outlet diameter	50mm	50mm	50mm	50mm



How It Works

The AtlanFilter has an upflow treatment process that maximises surface area. The innovative cartridge filter system provides excellent pollutant removal in a small footprint.

Hydraulic pressure forces water through the filter media, which discharges through the centre tube and out through the outlet collection manifold.

Upon completion of a treatment cycle, each cartridge backwashes and effectively dislodges particulates from the filtration layers. This reestablishes filter media porosity. The dislodged particles accumulate on the vault floor for easy removal during maintenance.

AtlanFilter's design has no moving parts and generates a true siphon effect.

AtlanFilters are often installed downstream of nearby devices in a treatment train. For example, an Atlan GPT upstream greatly increases the life cycle interval of the AtlanFilter. These devices will remove larger gross pollutants, coarse sediments, total suspended solids and hydrocarbons - enabling the AtlanFilter to target fine particulate matter and nutrients.



FlowFilter

Cartridge filter for tertiary stormwater management



Effective Pollutant Removal

Proven to remove heavy metals, TSS, phosphorus, and nitrogen, tested for superior pollutant capture.



High Flow Capacity

Verified for flow rates of 4 L/s ($\approx$ 63 gpm) per filter cartridge, with total treatment flow rates ranging from 2.5 to 156 L/s ($\approx$ 40 to 2,470 gpm) in offline configurations.



Compact & Efficient

Reduces the footprint of WSUD on constrained projects. Requires only 250 mm ($\approx$ 10 in.) of hydraulic head, making it ideal for flat or low-gradient sites.



Durable Construction

Built with robust materials for long-lasting performance in demanding conditions. Suitable for a variety of environments, including areas with heavy traffic.



Low Maintenance

Designed for easy access and minimal servicing requirements to reduce operational costs.



Flexible Configurations

Available in both offline and custom-designed inline systems for a wide range of applications.



Retrofit Ready

Easily adaptable for use in both new developments and existing infrastructure upgrades.



Lightweight & Easy Installation

Minimal lifting requirements—no crane needed, simplifying installation and reducing costs.



Locally Manufactured

Manufactured, designed, and engineered in our national production facilities. Built to last with a 25-year warranty and a 100-year design life.



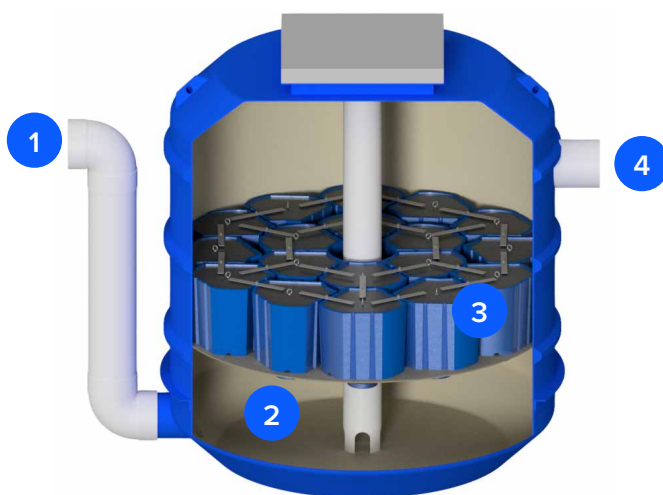
Applications

- Parking lots & shopping centers
- Municipal depots
- Industrial estates
- Heavy vehicle maintenance facilities
- Transport depots & loading bays
- Tunnels
- Highways & transportation corridors
- Recycling yards
- Airport aprons & tarmacs



FlowFilter is a specialist stormwater filtration system that is purpose-built to reduce the footprint of WSUD on constrained projects. Manufactured, designed, and engineered in Australia using fiber-reinforced polymer (FRP) this generational asset is supplied with a 25-year warranty & 100-year design life.

This innovative approach to stormwater management uses an upflow filtration process. With minimal head loss required between inlet and outlet, these devices are suitable for installation on flat sites or low-gradient developments. Stormwater is treated within the unit through the following processes: sedimentation, filtration, adsorption, and precipitation. FlowFilter has been extensively laboratory- and field-tested for the removal of pollutants, including heavy metals, total suspended solids (TSS), and nutrients (phosphorus and nitrogen).



Operating System

1. Stormwater from watershed enters the offline FlowFilter inlet.
2. Sediment is retained within the sump area.
3. Filter cartridges operate in an up-flow process. The fine sediment is physically removed, and dissolved pollutants are precipitated and adsorptively bound to the filtration media.
4. Treated water flows from cartridges to outlet and into downstream water network.



Canadian Environmental Technology Verification (ETV)

FlowFilter's performance has been verified through Canada's Environmental Technology Verification (ETV) program, which provides an independent evaluation of new technologies with a view to validate environmental claims so that users, developers, regulators, and other parties can make informed decisions about purchasing, applying and regulating innovative technologies.

POLLUTANT	EFFICIENCY RANGE
Total Suspended Solids (TSS)	90% - 98%
Total Phosphorus (TP)	70% - 90%
Total Nitrogen (TN)	40% - 50%
Lead (Pb)	80% - 90%
Zinc	40% - 60%



Emerging stormwater treatment technologies TAPE Designation

FlowFilter is one of our flagship TAPE designated devices through the Washington State Department of Ecology TAPE program (Technology Assessment Protocol – Ecology), America's leading protocol for validating stormwater device performance.

TREATMENT CATEGORY	TAPE DESIGNATION
Basic (total suspended solids)	Conditional Use Level Designation (CULD)
Phosphorus	Conditional Use Level Designation (CULD)



SQIDEP Verified Australia

FlowFilter is SQIDEP approved after passing Stormwater Australia's rigorous testing and performance assessment process.



Models

MODEL	NO. CARTRIDGE	TFR LPS (≈GPM)	ID m (≈ feet)	HEIGHT m (≈ feet)	INLET/ OUTLET mm (in)
400 SERIES					
FLF.400/1	1	2.5 (40)	113 (3.71)	1.5 (4.92)	100 (3.94)
FLF.400/2	2	5 (79)			
FLF.400/3	3	7.5 (119)			
1200 SERIES					
FLF.1200/4	4	12 (190)	1.20 (3.94)	2.60 (8.53)	225 (8.86)
1500 SERIES					
FLF.1500/4	4	16 (254)	1.50 (4.92)	2.00 (6.56)	225 (8.86)
FLF.1500/5	5	20 (317)			
FLF.1500/6	6	24 (380)			
1850 SERIES					
SFLF.1850/7	7	28 (444)	1.85 (6.07)	2.00 (6.56)	225 (8.86)
2200 SERIES					
FLF.2200/7	7	28 (444)	2.20 (7.22)	2.50 (8.20)	225 (8.86)
FLF.2200/8	8	32 (507)			
FLF.2200/9	9	36 (571)			
2500 SERIES					
FLF.2500/10	10	40 (634)	2.50 (8.20)	2.70 (8.86)	300 (11.81)
FLF.2500/11	11	44 (697)			
FLF.2500/12	12	48 (761)			
FLF.2500/13	13	52 (825)			
FLF.2500/14	14	56 (888)			
FLF.2500/15	15	60 (951)			
FLF.2500/16	16	64 (1,014)			

MODEL	NO. CARTRIDGE	TFR LPS (GPM)	ID m (≈ feet)	HEIGHT m (≈ feet)	INLET/ OUTLET mm (in)
3000 SERIES					
FLF.3000/17	17	68 (1,014)	3.00 (9.84)	2.85 (9.35)	300 (11.81)
FLF.3000/18	18	76 (1,205)			
FLF.3000/19	19	76 (1,205)			
FLF.3000/20	20	80 (1,268)			
FLF.3000/21	20	84 (1,331)			
3500 SERIES					
FLF.3500/22	22	88 (1,395)	3.50 (11.48)	2.95 (9.68)	375 (14.76)
FLF.3500/23	23	92 (1,458)			
FLF.3500/24	24	96 (1,522)			
FLF.3500/25	25	100 (1,585)			
FLF.3500/26	26	104 (1,648)			
FLF.3500/27	27	108 (1,712)			
FLF.3500/28	28	112 (1,775)			
FLF.3500/29	29	116 (1,839)			
FLF.3500/30	30	120 (1,902)			
FLF.3500/31	31	124 (1,965)			
4000 SERIES					
FLF.4000/32	32	128 (2,029)	4.00 (13.12)	3.25 (10.66)	375 (14.76)
FLF.4000/33	33	132 (2,092)			
FLF.4000/34	34	136 (2,156)			
FLF.4000/35	35	140 (2,219)			
FLF.4000/36	36	144 (2,283)			
FLF.4000/37	37	148 (2,346)			
FLF.4000/38	38	152 (2,409)			
FLF.4000/39	39	156 (2,473)			



FlowGuard

Stormwater filtration treatment in grated drains



Effective Pollutant Capture

Filters hydrocarbons, heavy metals, total phosphorus (TP), and total nitrogen (TN), ensuring safe disposal during routine maintenance.



Modular Design

Treats stormwater in two steps—settling solids/particulates and absorbing dissolved contaminants in the filter media.



Advanced Flow Control

Regulates stormwater discharge rates to prevent downstream flooding and manage peak flows.



Compact Channel Insert

Fits into 11.81in wide grated drains with a minimum depth of 13.78in, ideal for a t-source stormwater treatment.



Precision Design

Includes adjustable or fixed flow control options to suit specific site requirements.



Durable Materials

Constructed with high-quality, corrosion-resistant materials for long-lasting performance in harsh environments.



Ease of Installation

Prefabricated units allow for quick and cost-effective deployment on-site, reducing downtime and operational costs.



Low Maintenance

Designed for easy access and cleaning, reducing maintenance time and costs.



Versatile Applications

Suitable for high-traffic areas, industrial sites, car parks, roads, and metal roofs to treat stormwater at site level.

The FlowGuard is suitable for both pit and channel installations and is designed for areas that would benefit from at source stormwater treatment, which would otherwise be bypassed.

This allows stormwater from high traffic areas (car parks and roads), industrial areas and metal roofs to be cleaned at site level, and then discharged safely to ground or surface water bodies locally.

The FlowGuard's modular design means that the stormwater is treated in two steps:

1. Solids and particulates are settled in the first step.
2. Dissolved contaminants are then absorbed in the filter media.

The FlowGuard filters and binds pollutants such as hydrocarbons, heavy metals, total phosphorus (TP) and total nitrogen (TN). These pollutants can then be disposed of safely and easily during routine maintenance

- Stormwater treatment of surface levels
- Gross pollutant sediment, and nutrient capture
- Insert into 11.81in wide channel drain or pits
- Sites with little or flat grade
- No underground vault for cartridges
- Quick and easy installation and maintenance

Applications

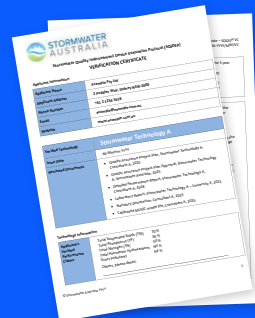
- Commercial
- Industrial
- Residential



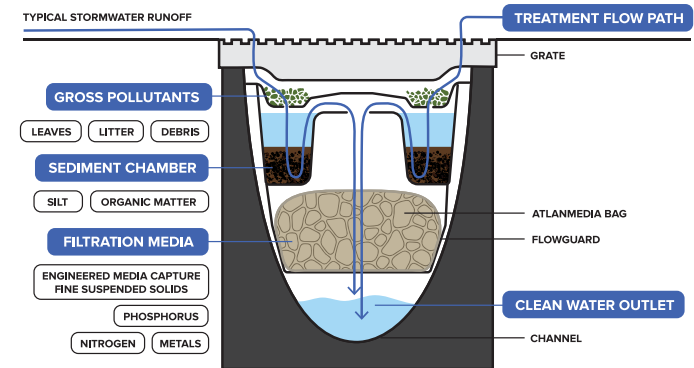
SQIDEP Tested Treatment Efficiencies*

POLLUTANT	EFFICIENCY
Gross Pollutants (GP)	100%
Total Suspended Solids (TSS)	88%
Total Phosphorus (TP)	69%
Total Nitrogen (TN)	67%
Petroleum Hydrocarbon	0%

*Contact Atlan to confirm approved performance for the project LGA



FlowGuard is SQIDEP approved after passing Stormwater Australia's rigorous testing and performance assessment process.



How it works

Modular design for ecological line drainage

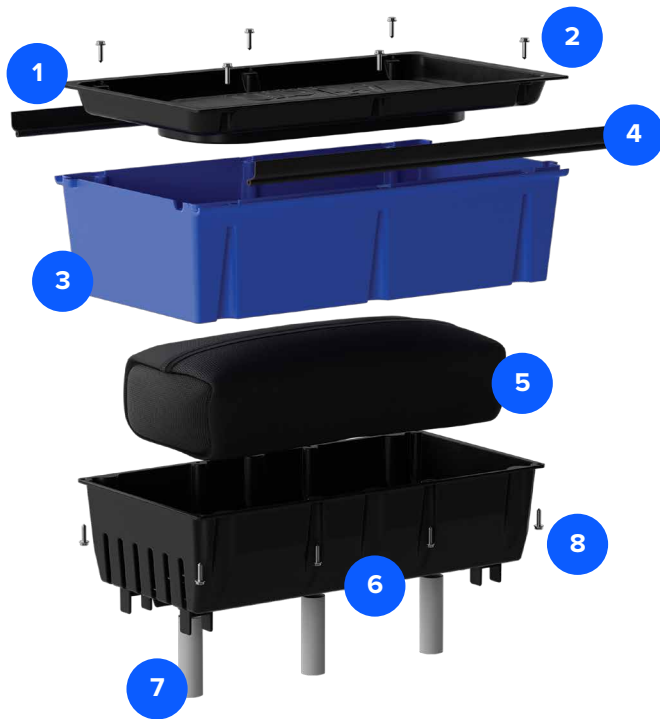
The innovative modular design is based on a standard 12in. channel and trench grate width, eliminating the need for site-specific or custom modifications to channel drainage runs.

The modular interior of the FlowGuard

- The Sedimentation Chamber removes coarse constituents, such as gravel, leaves and other solids or gross pollutants.
- The rubber seal to the outside ensures no waters can by-pass this chamber within the channel.
- The sediment box is situated prior to the media bag and captures silt and organic matter, which helps reduce maintenance.



FlowGuard Components



- 1 Top Cover
- 2 x6 Fixing Screws
- 3 Centre Bowl
- 4 Rubber Seal
- 5 Media Bag
- 6 Basket
- 7 Optional x3 PVC Supporting Pipes
- 8 x8 Fixing Screws



Modular Design

An innovative filtration solution, the FlowGuard is designed to meet a concrete nominal width of 11.81in. Planners are not required to make any alternations in the drainage plan if they want to treat the water with the FlowGuard.

The modular interior of the FlowGuard:

1. The top cover is primary treatment capturing solids such as stones, leaves, and suspended particles on. The rubber lip ensures sealing around the edges – for the reliable differentiation for subsequent filtration.
2. The pretreated rainwater passes through the sedimentation box and the organic and silt pollutants will be captured.
3. The filtered water flows over the media bag into the open area of the channel and is discharged per normal site requirements.

FlowGuard Process

- Water comes from the surface to the FlowGuard.
- The centre bowl catches coarse solids, such as gravels, chippings, leaves and other solids.
- The rubber seal ensures a water tight seal is maintained.
- The pre-treated water passes through the media bag, and the organic and silt pollutants are removed.
- The filtered water flows over the baffle into the free flow area of the channel. It can then be re-used, or discharged to surface or ground water via infiltration.



AtlanTrap[®]

At-Source Gross Pollutant Trap



Engineered for Water Quality

A decentralised SQID (stormwater quality improvement device), aligning with LID (Low Impact Development) and WSUD (Water Sensitive Urban Design) criteria for sustainable water management.



Adjustable Design

Standard sizes:

- 17.72 × 17.72 in
- 17.72 × 23.62 in
- 23.62 × 23.62 in
- 35.43 × 23.62 in
- 35.43 × 35.43 in

Custom combinations of our standard range can be accommodated with specific framing and support systems. Contact us to discuss your project.



Efficient At-Source Gross Pollutant Capture

Designed to capture gross pollutants, sediment, litter, microplastics, oil and grease effectively within stormwater drains, pits and catch basins.



Ease of Maintenance

Direct grate access from site surface level, making cleaning faster and simpler with conventional vacuum suction equipment.



Retrofit Capability

Easily integrates into new or existing stormwater infrastructure, repurposing traditional systems to meet specific site water quality goals.

Applications

- Storm drain retrofits
- Commercial / retail / residential
- Litter prone urban areas
- Scrap metal / solid waste / oil storage
- Part of treatment train
- Construction sediment / erosion

AtlanTrap (formerly StormSack) is a SQIDEP-verified water quality device that provides GPT and filtration capabilities for stormwater treatment and WSUD (Water Sensitive Urban Design) applications.

Easily retrofitted into new or existing structures, AtlanTrap filtration technology offers a decentralised approach to stormwater treatment. This system allows conventional infrastructure, such as stormwater drains, kerb inlets, pits and catch basins, to be repurposed and customised to meet site-specific water quality goals.

Ideal for deployment directly in stormwater watersheds to capture pollutants close to surface level – AtlanTrap is easy to install and maintain.

AtlanTrap's serviceability from ground level reduces operational costs by ensuring direct, quick and safe access during maintenance and clean-outs.

Maintenance

The AtlanTrap must be checked on a regular basis to assess whether it requires maintenance or cleaning. In accordance with WSUD requirements, AtlanTrap bags should be routinely cleaned out and inspected 2-4 times a year. This maintenance frequency depends on the level of pollutants and site conditions. However, the design of the AtlanTrap makes it easier and quicker for service technicians to clean than alternative on-site Gross Pollutant Trap systems (GPTs).



SQIDEP Tested Treatment Efficiencies*

AtlanTrap is SQIDEP verified after passing Stormwater Australia's rigorous testing and performance assessment process.

POLLUTANT	EFFICIENCY
Gross Pollutants (GP)	100%
Total Suspended Solids (TSS)	45%
Total Phosphorus (TP)	47%
Total Nitrogen (TN)	25%

*Contact Atlan to confirm approved performance for the project LGA

Research Verified Removal Rates

POLLUTANT	EFFICIENCY
Microplastics	35-88%



Canadian Environmental Technology Verification (ETV)

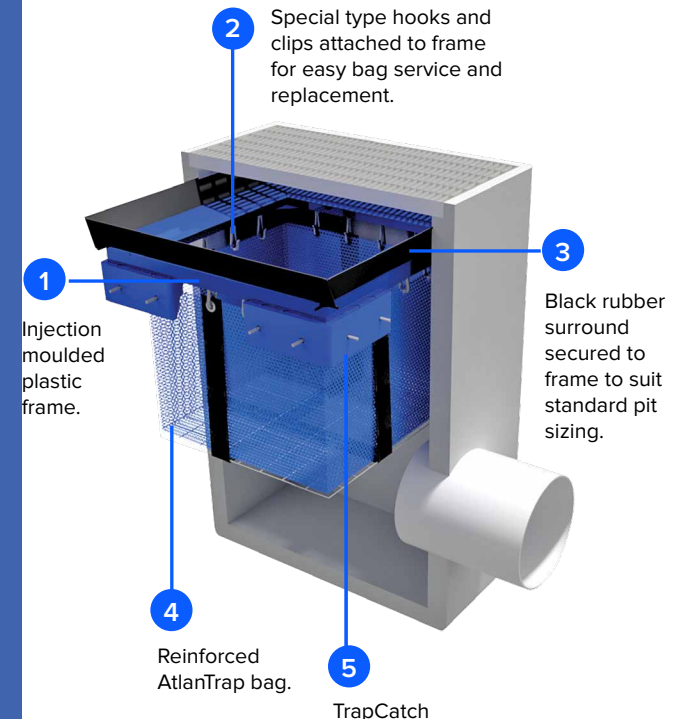
AtlanTrap's performance has been verified through Canada's Environmental Technology Verification (ETV) program, which provides an independent evaluation of new technologies with a view to validate environmental claims so that users, developers, regulators, and other parties can make informed decisions about purchasing, applying and regulating innovative technologies.

How it works

The AtlanTrap is a SQIDEP-verified Gross Pollutant Trap (GPT) which allows pollutants to be captured close to site surface level. Installed underneath grates in locations such as driveways and kerb inlets, AtlanTrap's bag is designed to screen a wide range of urban stormwater pollution including gross pollutants, sediment, litter and microplastics.

As water flows through AtlanTrap's durable, permeable bag, it captures stormwater pollutants such as litter (gross pollutants), sediment, and nutrients (phosphorus and nitrogen).

This high-performance Stormwater Quality Improvement Device (SQID) provides effective capture of solid pollutants and debris typical of urban runoff, and can be installed in existing or new stormwater drain infrastructure.





Ecoceptor[®]

Inline gross pollutant trap (GPT)



Hydrodynamic Inline GPT

Designed to separate pollutants with low-velocity conditions and extended dwell times, delivering water quality outcomes that comply with Australian statutory guidelines.



Efficient Pollutant Capture

Captures sediments, silt, total suspended solids, and oil and grease; oil is contained in all flow events in a designated “oil-capture” zone.



Robust Fiberglass Construction

Constructed from durable fiberglass, the Ecoceptor combines lightweight handling with high strength for easier installation and reliable long-term performance.



Pre-Assembled for Efficiency

Delivered fully assembled, reducing installation time and crane costs; suitable for all trafficable zones (including truck Class D with proper concrete slab installation).



Trafficable Installation

Rated for vehicular (Class D) zones with appropriate concrete slab installation, ensuring flexibility for high-traffic areas.



High Flow Capacity

Standard units handle flow rates up to 44,385 gpm with pipe sizes ranging from 6 to 71 in.; custom sizes are available on request.



Bypass Operation

Equipped with a bypass mechanism to prevent backup during heavy rainfall events, ensuring continuous operation without overflow.



Streamlined Maintenance

Cylindrical shape with a sloped, cone-configured base centralises sediment, making cleaning simple and efficient.



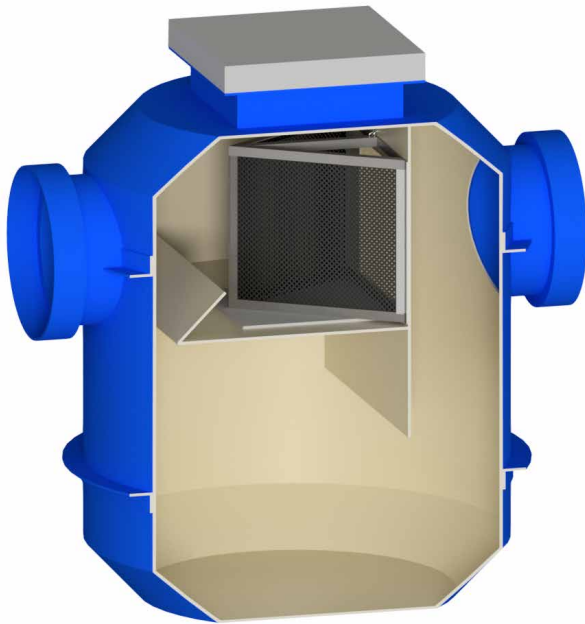
Locally Manufactured

Locally fabricated in our National FRP production facilities to meet ISO9001 Quality Standards.



Applications

- Shopping precincts
- Commercial zones
- Recreational grounds
- Light industrial areas
- Beaches and parks



The Ecoceptor® is a hydrodynamic inline Gross Pollutant Trap (GPT) with a unique treatment action that produces low velocity conditions (and extended dwell times to separate pollutants), resulting in discharge water quality outcomes complying to statutory guidelines across Australia.

This device separates and captures sediments, silt, total suspended solids, and oil and grease. Oil and grease rise to the “oil-capture” zone of the treatment chamber and are contained in all flow events.

Areas with a high fraction of impervious surfaces that require stormwater treatment are ideal for the Ecoceptor. These include car parks, ports, streetscapes, roads, subdivisions, and industrial estates.

The one-piece, self-contained fibreglass construction, is lightweight, yet robust in strength, making it simple and cost-effective to install.

Class 3 Ecoceptor

The Class 3 Ecoceptor acts as a gross pollutant trap (GPT) and improves stormwater quality. These devices separate and capture gross pollutants, sediments and silt. Light liquids (petroleum hydrocarbons) rise to the top of the lower chamber while sludge settles on the bottom.

Ecoceptor Specifications

SERIES	MUSIC NODE (GPM)	BY-PASS FLOW (GPM)	WEIGHT (LB)	TANK BARREL ID (IN)	OVERALL HEIGHT (IN)	SILT CAPACITY (GAL)	HYDRO-CARBON CAPACITY (GAL)	PIPE SIZE (IN)	INVERT LEVEL (IN) NO LID	APPROX WORKING CAPACITY (GAL)	APPROX MAX CAPACITY (GAL)
1500	380.4	3,804.1	661.4	59.8	76.8	264.2	184.9	11.8	27.6	560.4	792.5
4000	951.0	9,510.2	1,102.3	72.8	118.1	660.4	396.3	23.6	39.4	1,420.4	1,849.2
6000	2,219.0	22,190.4	1,543.2	86.6	129.9	1,122.8	660.4	35.4	51.2	2,008.8	3,038.2
8000	3,487.1	34,870.6	3,086.5	97.6	177.2	2,113.4	1,188.8	47.2	63.0	3,701.1	4,887.7
10000	4,438.1	44,381.0	5,291.1	118.1	253.1	4,887.7	2,166.3	59.1	78.7	8,548.7	11,095.2



Tested Treatment Efficiencies*

POLLUTANT	EFFICIENCY
Gross Pollutants (GP)	95%
Total Suspended Solids (TSS)	71%
Total Phosphorus (TP)	69%
Total Nitrogen (TN)	47%
Petroleum Hydrocarbon	93%

*Contact Atlan to confirm approved performance for the project LGA



Vortceptor®

Hydrodynamic GPT



High-Efficiency Gross Pollutant Separation

Utilises hydrodynamic vortex technology to capture and separate sediments, silt, oil, grease, and gross pollutants effectively.



Permanent Pool Design

Ensures oil and grease are retained in a dedicated capture zone, preventing re-entrainment during high-flow events.



Optimal Flow Performance

Designed to treat stormwater runoff across a wide range of flow rates while maintaining compliance with Australian statutory water quality guidelines.



Trafficable Installation

Rated for vehicular (Class D) zones with appropriate concrete slab installation, ensuring flexibility for high-traffic areas.



Locally Manufactured

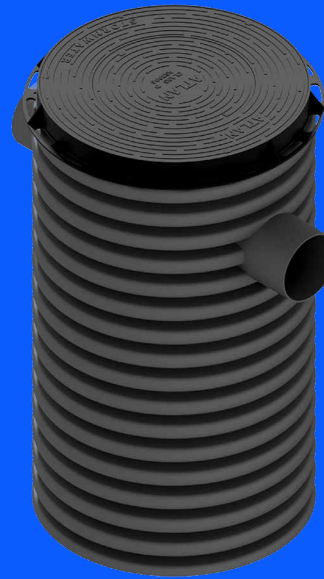
Locally fabricated in our National FRP and HDPE production facilities to meet ISO9001 Quality Standards.



Fibreglass
Offline



Fibreglass
Inline



HDPE Inline



Robust Construction

One-piece fibreglass or high density polypropylene (HDPE) construction is lightweight, durable, and non-corrosive, ideal for long-term performance in diverse environments.



Cost-Effective Installation

Delivered fully assembled to the site, reducing installation time, crane costs, and overall project expenses.



Stormwater Compliance

Provides reliable solutions for pollutant load reduction in urban and industrial stormwater systems, aligning with Low Impact Development (LID) principles.



Flexible Configurations

Accommodates a wide range of pipe sizes, with standard units handling flows up to 44,385 gpm and pipe diameters from 6 to 71 in. Custom configurations are available to meet specific site requirements.



Easy Maintenance

Cylindrical shape and sloped base concentrate sediment at the centre, simplifying cleaning and reducing maintenance efforts.

The Vortceptor Gross Pollutant Trap (GPT) is a non-blocking vortex style separator that has a unique screen and treatment action producing low vortex conditions resulting in excellent pollution removal performance and resulting high water quality outcomes.

It separates and captures gross pollutants, sediments, silt, total suspended solids, some nutrients and oil and grease. Designed with versatility in mind, these GPTs are available in inline and offline configurations.

Inline Model

The Vortceptor Inline series is useful for constrained sites with a treatment flow rate that is relative to the bypass flow rates. The Inline Vortceptor has a flexible pipe configuration with the outlet pipe being able to rotate in excess of 180° around the system. The Inline Vortceptor is available with or without internal bypass to suit installation on low flow diversions.

Offline Model

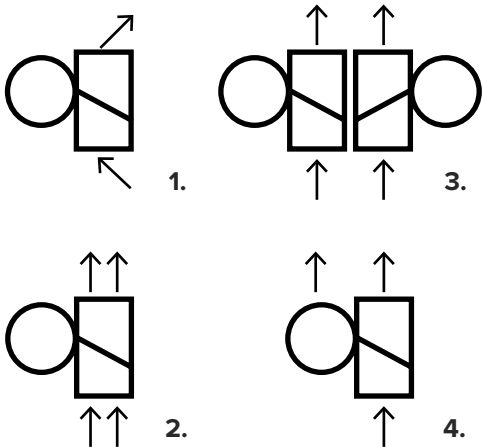
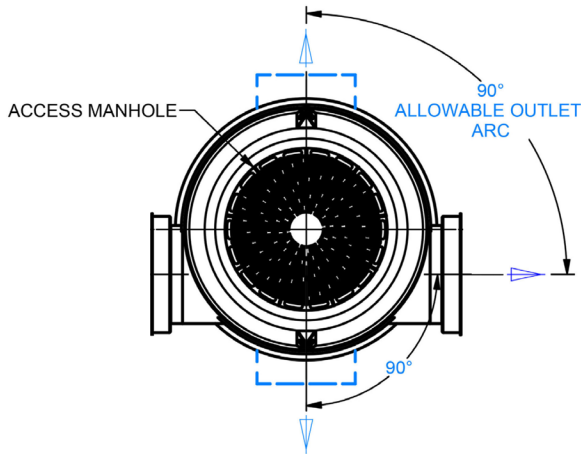
The Vortceptor Offline series is used when the bypass flows are high, or greater than the flows required to pass through the Inline range. Advantages of the Offline series include the ability to divert treated flow water to a tertiary asset independently to the bypassed stormwater and the ability to adjust the system to cater for trailwater and external watersheds.

You can also include:

1. Angled inlet/outlet connections
2. Multiple pipes or culverts
3. Back to back twin units - for greater treatment
4. Bifurcation or splitting of flows

Applications

- Shopping Precinct
- Commercial Zones
- Recreational Grounds
- Industrial Areas
- Beaches & Park
- Residential Development



SQIDEP Tested Treatment Efficiencies*

POLLUTANT	EFFICIENCY
Gross Pollutants (GP)	100%
Total Suspended Solids (TSS)	93%
Total Phosphorus (TP)	86%
Total Nitrogen (TN)	49%

*Contact Atlan to confirm approved performance for the project LGA



Vorceptor is SQIDEP approved after passing Stormwater Australia's rigorous testing and performance assessment process.



Inline Series Vortex Style GPT

The inline series is manufactured from the standard single tank dia shown. Custom systems are also available.

All models are FRP except for those marked with P* which are HDPE.

Models	Dimensions (in)					Capacities			
	Tank Barrel (ID)	Minimum Invert	Depth Below Invert	Manhole Size (in)	Max Pipe Size	Sump Capacity (ft³)	Floatables Volume (ft³)	Treatable Flow Rate (gpm)	Max Flow Rate (gpm)
INLINE SERIES									
IVOR.025.10-P*	41.3	23.6	55.1	39.4 diameter	12.4	22.1	21.2	396.3	3,962.6
IVOR.050.15	59.8	43.3	72.8		20.7	38.8	7.8	792.5	7,925.2
IVOR.100.18	72.8	51.2	92.5		23.6	91.8	17.7	1,585.0	11,095.2
IVOR.150.18	72.8	55.1	131.9		29.5	130.7	17.7	2,377.5	12,680.3
IVOR.200.22	86.6	63.0	96.5	23.6 Inspection Opening	29.5	134.2	38.8	3,170.1	15,850.3
IVOR.350.22	86.6	72.8	124.0		35.4	148.3	38.8	5,547.6	19,020.4
IVOR.500.30	118.1	76.8	112.2		41.3	176.6	98.9	7,925.2	26,152.9
IVOR.800.30	118.1	82.7	177.2		47.2	374.3	98.9	12,680.3	31,700.6

* HDPE model.

Offline Series Vortex Style GPT

The offline series is manufactured from the standard single tank dia below.
Custom systems are also available.

All models are FRP.

Models	Dimensions (in)				Capacities			
	Tank Barrel (ID)	Minimum Invert	Depth below invert	Manhole Size (in)	Sump Capacity (ft³)	Floatables Volume (ft³)	Treatable Flow Rate (gpm)	Bypass Flow Rate (gpm)
OFFLINE SERIES								
OVOR.100.18	72.8	51.2	92.5	39.4 diameter 23.6 Inspection Opening	88.3	17.7	1,585.0	PROJECT SPECIFIC DESIGN
OVOR.150.18	72.8	55.1	131.9		130.7	17.7	2,377.5	
OVOR.200.22	86.6	66.9	96.5		134.2	38.8	3,170.1	
OVOR.350.22	86.6	72.8	124.0		148.3	38.8	5,547.6	
OVOR.500.30	118.1	76.8	112.2		176.6	98.9	7,925.2	
OVOR.800.30	118.1	82.7	177.2		374.3	98.9	12,680.3	
OVOR.1200.40	157.5	100.4	137.8		356.7	199.5	19,020.4	
OVOR.1600.40	157.5	98.4	161.4		356.7	199.5	25,360.5	





Joy in water

'We believe clean waterways are a right, not a privilege and we work to ensure a Joy in Water experience for you, with your family & friends.'

Andy Hornbuckle, CEO

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